

EXOS

产品目录

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你的问题，你的解决方案， 我们的技术。

贵公司面临着同样的老问题：今天如何赚钱以及明天如何赚钱？

但是，针对该问题的各种解决方案会随时间而变化。工业4.0和贯穿公司的信息线程的数字化带来了新的创新解决方案。

它们分为8个不同的类别，每个公司都正在或将在其中竞争：

1. 数据驱动的工厂绩效
2. 数据驱动的库存绩效
3. 数据驱动的质量改进
4. 机器即服务
5. 人数据界面
6. 预测性维护
7. 远程服务
8. 虚拟培训和验证

我们的许多竞争对手都说他们提供解决方案，所以也许EXOR还能告诉您应该怎么做？也许EXOR应该为您提供适用于您的行业、公司、你在世界上某个地方的解决方案？

但是在我们看来，对这些问题回答“是”将会减少您面对挑战的重要性。因为您的公司是独一无二的。您在该领域拥有多年的经验，只有您才能为您的问题提供解决方案。只有您和您的团队才能真正设想今天和明天如何赚钱。

EXOR International可以为您提供跨多个供应商和协议，从几乎任何合规的关键位置安全地获取数据，在边缘实时地充分使用此数据并将其发送到鲁棒性的云以进行可视化、操作和分析。

借助我们的技术，我们能够帮助您实施工业4.0以解决你的业务问题。

这就是为什么EXOR International是技术提供商。

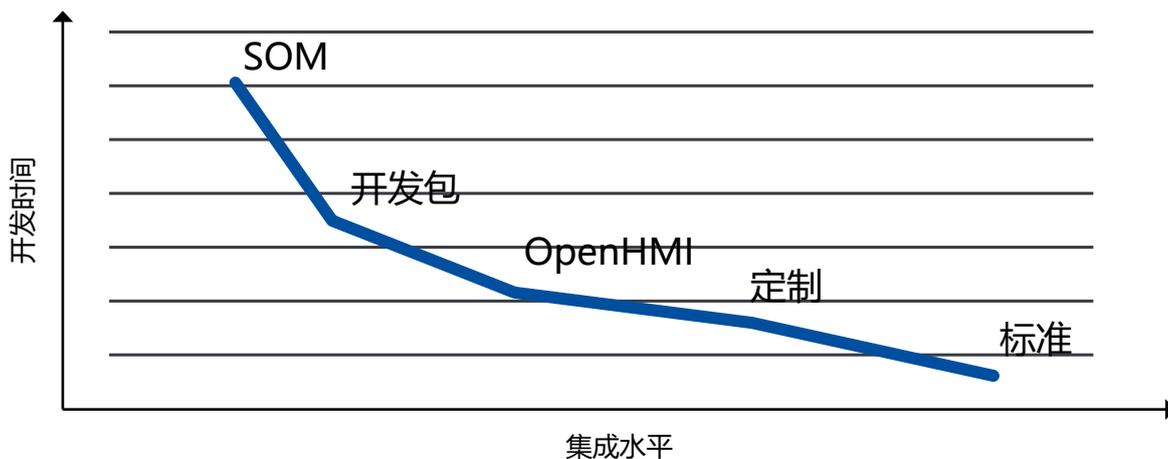
X 平台是什么？

X平台统一了EXOR International旗下的所有产品和服务。从任何物联网项目的最小组成部分，到工业4.0八项优势中任何一项的实施，再到定制或标准高性能网关或HMI的要求，X平台都能为您提供您所需要的产品。

在组件或机器级别，X平台专门研究智能边缘数据接口，它们在功能上都令人印象深刻，因为它们在美学感染力上具有独特性。

在工厂级别，X平台提供了智能边缘计算力，同时允许可视化经由多种协议从所有主要供应商处获取的数据。

X平台通过鲁棒性的工业云完善了产品，通过安全的数据可视化，可以为您的独特公司实现许多工业4.0机会。



但是X平台不仅是技术平台，还包括EXOR International在设计、构建、制造和维护所有人机界面所需的软件、固件和硬件方面近50年的经验。当任何项目遇到问题时，就像所有项目一样，这种经验确实显示了其价值。正是在这些时刻，EXOR International可以证明X平台的运作效率：它确实是一个协作平台，非常适合在工业、船舶、汽车、石油和天然气及建筑行业中使用工业4.0模型。



X 平台组件 - 目录

软件	可视化软件	JMobile	p. 7
	纯Web技术	JM4Web	p. 11
云	连接管理	CORVINA Cloud 1.0	p.12
	开放的工业IoT平台	CORVINA Cloud 2.0	p.16
硬件	嵌入式	SOMs, 开发包	p. 19
	IoT网关	eXware	p. 33
	移动	H3, H4	p. 40
	行业	食品和饮料系列	p. 44
	行业	恶劣环境系列	p. 50
	入门级	eSMART系列	p. 59
	IoT控制器	eX700系列	p. 66
	经典HMI	eTOP500系列	p. 74
	智能边缘	JSmart系列	p. 85
	工业电脑	面板PC, 网关	p. 109



软件

可视化和连接软件

您会始终需要的唯一工业物联网软件

在这样一个易于学习的软件套件中，JMobile全面涵盖了从边缘到云的连接、设备管理、过程管理和数据可视化，这对于任何工业IoT平台架构中所有边缘到云的级别都是必不可少的。

- 高用户界面体验
- 创建具有降低风险的IIoT生态系统
- 从车间到云/大数据
- 真正的互操作性
- 利用JM4web创建出色的HTML5界面
- 创建具有关联报警的警报
- 使用JavaScript进行高效脚本编写
- 带有网关功能的所有平台均可随时使用200多种通信协议
- 浏览器小部件
- 集成的PLC runtime是紧凑型控制解决方案的一个选项。
包括对网络I / O的全面支持
- 提供4种语言的软件和文档：EN, DE, FR, ZH
- 多平台 runtime: Linux, Windows, Windows CE
- 与OPC UA完全兼容



概述

在这样一个易于学习的软件中，JMobile全面涵盖了连接性、设备管理、过程管理和数据可视化，这对于任何IIoT平台架构的较低级别而言是必不可少的。

为了实现连接，通过全面集成的CODESYS PLC，JMobile允许经由PROFINET、EtherCAT、POWERLINK、EtherNet / IP、Modbus等重要协议与所有I / O、传感器、运动设备进行通信。使用高度鲁棒性和安全的OPC UA标准进行传输，并马上通过TSN进行发布/订阅，数据在边缘节点网络内无缝共享，并将所有数据发送到更高的企业级和外部接口。

但是，这种严格的通信通常被推崇为一种真正的技术成就，并不能全部完整地表达JMobile。出于工业市场需求而生，与客户的这种紧密联系在不断发展的过程中一直根深蒂固，以至于漂亮的用户体验是决定性因素。

采用易于理解的图形元素内置在庞大的库中，便于实现，可以快速而独特地定义清晰的可视化。

随着市场越来越趋向于日益复杂的Web应用程序，JMobile已准备就绪。JMobile客户端-服务器体系结构已经熟练当前的HTML5 Web技术，并使用QT引擎和可伸缩矢量图形JM4 Web。这为用户提供了从任何浏览器、任何设备（智能手机、平板电脑或计算机）进行先进控制和远程监控。

MQTT (MQ遥测传输) 是专用于受约束的设备和低带宽、高延迟网络的发布/订阅协议。这是用于轻负载IIoT通信的常用协议。

JMobile 4.0带有一个高效的实施，可以无缝连接到任何MQTT代理，包括由Amazon、Exosite、IBM、Microsoft等提供商提供的代理器。MQTT协议已内置到JMobile runtime中，作为一种服务具有数据网关的全部功能。

您可以轻松配置从现场设备到云的自动数据推送。数据安全是通过使用TLS和X509证书来强制执行的。



CORVINA是Exor提供的开放式物联网平台，可连接任何产品、工厂、系统和机器，从而可以利用高级分析简单直观地处理IIoT生成的数据。

CORVINA Cloud是PaaS (平台即服务) 和RMM (远程监控和管理) 系统。JMobile 4.0将首个边缘数据收集服务带到了CORVINA。

您能够想象的最简单的方法将你的数据带到云中。



适用于本机和Web HMI应用程序的统一编程方法。

现在，比以往任何时候都更容易创建针对任何客户端的可视化优化的屏幕，同时节省了编程时间。

新的JMobile项目验证技术使在所有条件下创建完全可操作的应用程序变得更加简单。



现有JMobile功能的重新设计和重构是提高编程效率并确保完全兼容性的最佳方法。这也是使GUI保持最新的一种方法。在JMobile 4.0中，您将找到一个很棒的新设计，用于：

- 带有拖放功能的项目视图可在项目中移动页面并进行多个选择
- 标签编辑器具有统一的标签数据库和字典、可自定义的视图、通用属性的多次编辑、强大的搜索和符号文件同步等功能
- 警报编辑器具有可自定义的视图、强大的搜索功能和对常用属性的多次编辑



借助新的PDF报告功能，可以报告复杂的数据，例如表格 (警报、趋势、审计) 和趋势图。

根据苛刻的应用要求，例如符合21 CFR Part 11，PDF文件现在可以具有用于数据安全性的签名。



通信始终是JMobile应用程序中的中心点。现在，IIoT数据收集和边缘数据处理已成为工业应用中的焦点。

JMobile 4.0中的新增功能是新的CAN Direct协议，它是创建你的CAN协议的最简单、最强大的工具。

同样非常重要，新协议可以通过优化的数据块编程连接到Siemens Simatic S7 PLC。

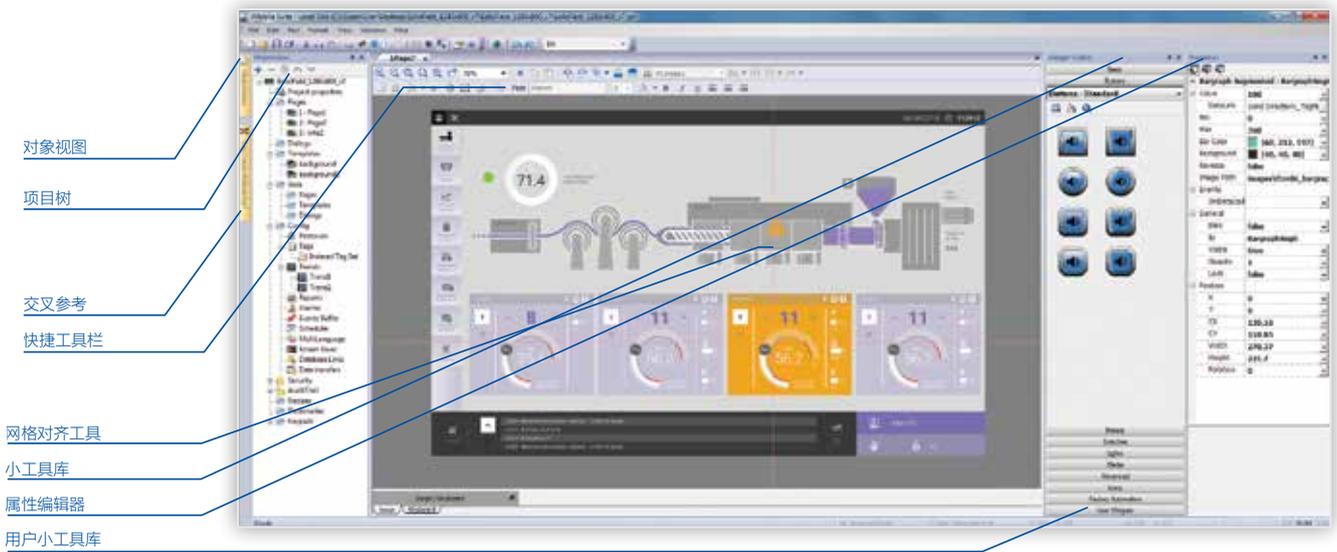


开发指导原则

指导并将继续指导JMobile开发的三个原则是：

- 1.保持对主要现场总线/通信协议的开放
- 2.使用开放的和公认的市场技术标准，例如HTML5、SVG、XML
- 3.精选集成具有无缝用户界面和极其安全的、市场领先的第三方软件

这三项原则共同为EXOR International和我们的客户提供了最佳的解决方案，在这些情况下，高度关键软件的安全，坚固的JMobile骨干能够包含并实现工业物联网实施所需的所有软件。



4.0版改进列表

- MQTT服务
- CORVINA接口
- 本机和网页的统一编程
- 项目验证器
- 重新设计项目视图
- 标签编辑器重新设计
- 与符号文件同步
- 警报编辑器重新设计
- 标签缩放和类型分配
- 支持PDF报表中的表格和图形
- 签名的PDF报告
- JM4web对通用表、审计表、趋势表的支持
- 趋势数据采集速度高达每秒10个样本
- 字母数字标签的趋势数据采集
- 趋势表的可配置纵列视图
- 单个数据记录多达300个标签
- 用于用户管理的JS API函数
- 更多密码定义规则
- 在XML中导入/导出消息小工具的文本
- 文本小工具，消息小工具和警报中的实时标签
- 具有折叠视图的历史警报
- 区域设置作为项目属性
- BACnet协议中的BACnet服务器功能
- BACnet JS API函数，用于在runtime发现设备和对象
- 播放来自外部数据源的视频
- 使用PLCM09发送短信

新协议

- Siemens S7 Optimized Datablocks
- CAN Direct
- IDEC Maintenance
- Keyence KV
- DMX512
- Robox BCC/31
- EATON Suconet K

纯网页技术

JMobile 4 Web是工业控制应用与无处不在的移动设备 (例如智能手机和平板电脑) 之间的无缝连接。它在2010年超前于市场愿景而开发，并且自从使用与JMobile相同的指导原则以来就不断进行更新，现在它提供了最全面的纯Web技术。由EXOR设计和维护，该公司在工业领域拥有45年的经验。

- 纯网页技术
- 自2010年以来创建和开发
- 基于HTML5 / JS
- 通过https协议支持进行安全连接
- 100%HTML5 Web HMI界面
- 响应设计就绪
- 实时数据更新 (每秒高达10倍)
- 多点触控支持
- 适用于具有iOS和Android的PC和智能设备的最常见浏览器
- 使用方便。无需HTML能力
- 完整的JMobile库，包含超过2000个小部件
- 可作为第三方平台的组件
- 数据采集与趋势
- 菜谱
- 多语言
- Java脚本
- 用户管理
- 画布和定制小部件



概述

借助JMobile中嵌入的HTML5和Javascript技术，远程监视和控制应用所需的全部就是具有HTML5支持的Web浏览器：Firefox，Chrome，Safari和Microsoft EDGE。通过移动设备进行操作时不需要“应用程序”，从而降低了跨各种操作系统兼容的风险。

使用JM4web，您可以通过所有JMobile runtime系统中包含的集成Web服务器对JMobile应用程序进行即时Web访问。

JM4web允许为目标移动设备创建准确的响应用户体验。Web服务器将检测连接的客户端设备的分辨率并提供适当的页面。

JM4web是JMobile已提供的强大的远程连接和可视化工具的理想补充。



云

连接管理

CORVINA Cloud 1.0

CORVINA Cloud 1.0是一种高级连接管理解决方案，可让您控制自己的IIoT业务。CORVINA Cloud 1.0从JMCloud产品无缝引领，强大的鲁棒性、高可扩展性、并提供先进的VPN功能。

用户界面非常干净并且易于使用。基于Web的网络使您的所有远程设备、网络 and 用户都能够安全地进行通信。

CORVINA Cloud 1.0可以作为本地云基础结构提供，可提供任何规模的工业应用程序和控制服务所需的正常运行时间和性能。

益处

- 单击鼠标即可访问所有设备
- 降低维护和安装成本
- 通过完成X平台的IIoT整个产品解决方案来提高工业4.0实施
- 为最终用户提供新的商业服务机会
- 显示现场所有设备的位置和状态信息
- 使用PC、平板电脑和移动设备上的标准浏览器访问设备的Web服务器
- 在同一安装上创建和管理多个小型对象
- 将大型企业分解为较小的部门，这些部门应保持独立并在单个CORVINA接口上托管所有部门
- 可从浏览器全面访问和配置



包括最近的更新

直接访问应用程序：

创建用户只能在一个设备上访问一个应用程序的可能性

VNC runtime密码：

可以为VNC连接启用 runtime 密码

浅白色标签品牌：

可以为一级组织定制徽标和门户登录地址

使用USB的云凭证和其他配置设置：可以使用USB上的

脚本文件设置CORVINA Cloud 1凭证和其他参数

使用USB的eXware、eX700上的网络地址转换（NAT）

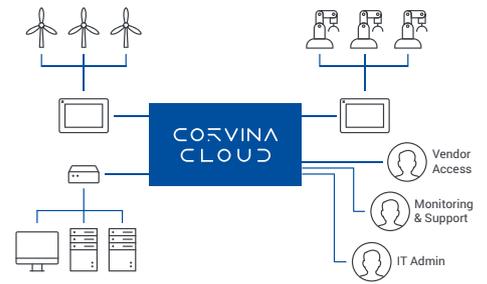
规则：可以使用USB上的脚本文件在eXware和eX700设备上设置NAT规则，然后该脚本文件可与CORVINA Cloud 1一起使用

PLCM09 3G调制解调器兼容性：

将PLCM09 3G调制解调器与CORVINA Cloud 1配合使用

用于IIoT安全的高级VPN

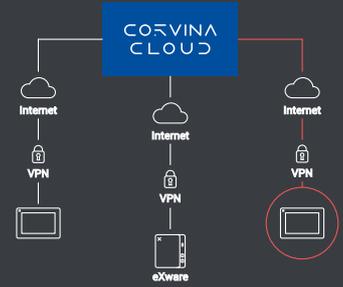
一个功能强大且高度可扩展的解决方案，通过基于Web的简洁界面提供高级VPN功能，使您的所有远程设备、网络 and 用户都能够无缝通信。行业标准的加密技术可确保您的数据在传输过程中得到保护，以实现全面的IIoT安全。基于角色的颗粒状访问权限仅允许用户访问所需资源，而没有其他权限。



维护和安装的隔离

CORVINA Cloud 1.0使用SSL VPN技术 (OpenVPN) 进行安装和维护实现远程和高度安全性。

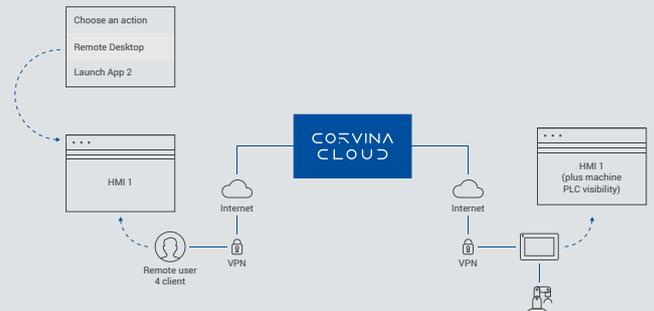
可以从门户网站中识别出无法正常运行的设备，并将其隔离开来进行处理。这可以帮助节省时间和金钱，并最大程度地减少网络停机时间。



应用

在传统的VPN解决方案中，不支持帮助用户识别其本地应用程序或将其链接到远程VPN资源。结果是用户必须记住IP地址或需要使用复杂的DNS系统。

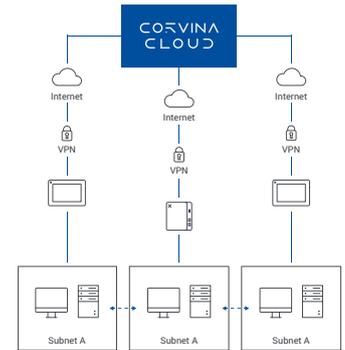
CORVINA Cloud 1.0通过允许您指定“应用程序链接”来解决此问题，该链接将在用户计算机上启动本地应用程序并将其自动连接到远程资源，只需单击鼠标即可。



子网映射

工业网络面临的最常见挑战之一是多个位置具有相同子网的问题，这使得在没有大量干预的情况下无法实施中央VPN管理工具。

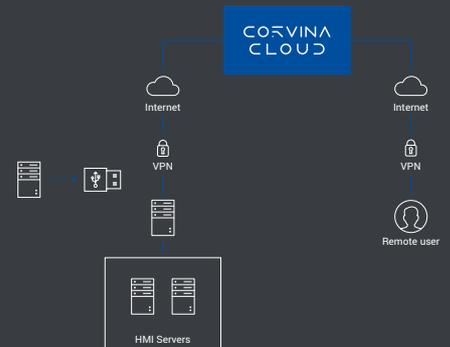
CORVINA Cloud 1.0是市场上唯一可以无缝解决此路由噩梦的解决方案，使您的部署顺利进行。



USB服务开通

对于跨大区域的分布式网络，IT员工通常会经历许多部署网络设备的旅行。这要花费很多时间，更不用说难以置信的成本了。

使用USB服务开通工具，可以轻松地在USB记忆棒上对设备进行预配置，然后将其运送到其位置以进行简单、安全的安装。



使用标准浏览器进行Web访问

CORVINA Cloud使用Web代理技术允许使用标准浏览器通过安全HTTPS协议连接到门户。可以使用集成到门户网站的VNC客户端访问设备的本地显示。可以使用标准浏览器访问设备的Web服务器。



开放的工业IoT平台

CORVINA Cloud 2.0

CORVINA Cloud是PaaS (平台即服务) 和RMM (远程监控和管理) 系统。

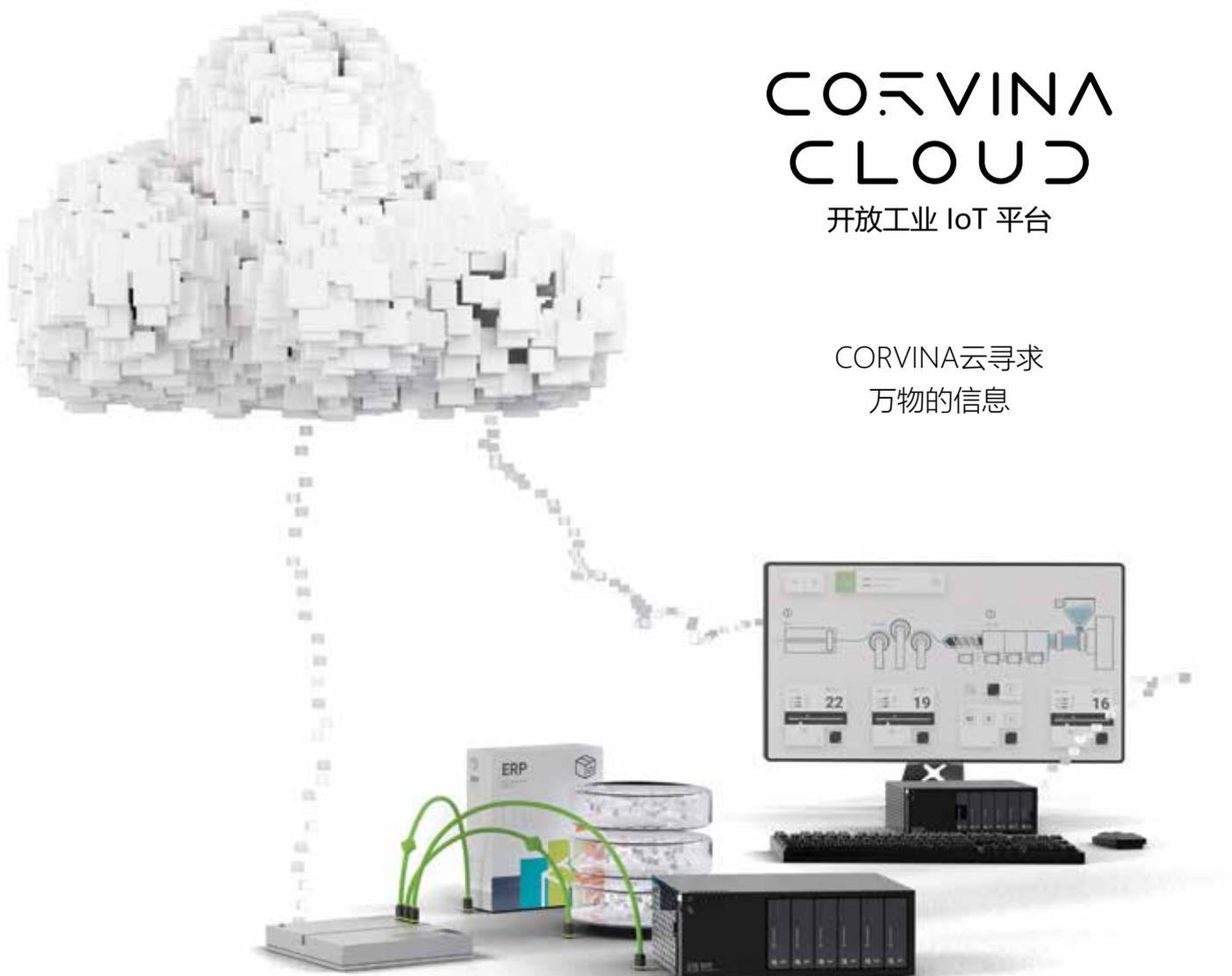
这是基于云的开放式工业物联网平台，可为工业界提供您所需的技术。它是工业云。

它可以连接任何新的或旧的产品、工厂、系统和机器。它允许通过高级分析简单、直观地处理物联网 (IoT) 生成的数据。它在IT和OT体系结构之间架起了桥梁，提供了有效的工具来访问所有工业4.0优势，例如资产绩效管理、预测性维护和OT远程监控。

我们的技术可让您大规模、安全地实施您的问题解决方案：如何保持竞争力、发展甚至突破。

CORVINA
CLOUD
开放工业 IoT 平台

CORVINA云寻求
万物的信息



易用性

EXOR具有制造工业软件的悠久历史。鉴于软件在复杂而重要的环境中发挥的关键作用，EXOR一直关注特定用户在特定环境下实现精确目标的有效性、效率和满意度。

CORVINA云延续了这一传统。

首次启动后，用户会发现很容易熟悉并能够使用CORVINA Cloud的用户界面。用户很容易实现自己的目标，可以在平台的各种先进功能之间顺畅地导航。此外，软件设计还使召回CORVINA Cloud上可用的多种服务以及在以后的访问中如何使用它们变得容易。

关于我们的客户将如何使用该软件的深入考虑，将导致该平台的快速启动，从而更快地获得工业4.0的各种好处。



实用工具小程序

CORVINA Cloud的设计具有一定的功能性水平，您可以期望创新的工程公司EXOR提供这些功能。已竭尽全力提供所有工具，以确保CORVINA Cloud满足用户需求。

用户将突然变得没有复杂性，能够将设备连接到任何云，设置具有相关访问限制的角色，以及在许多其他功能中产生多级警报。

用户将在短时间内获得令人难以置信的强大的资产管理性能和维护管理应用程序，这将使您想知道为什么其他云提供商会对这些应用程序收费。



视觉设计

尽管在工业领域中并不经常想到，但视觉设计是精心设计软件的关键要素。

CORVINA Cloud通常在白色标签中和子机构一起使用；定制产品的能力至关重要。

美学和可用性之间存在正相关关系，这有助于将您的品牌传达给市场。

CORVINA Cloud的视觉设计在视觉吸引力、可用性和实用性之间取得了平衡，这在工业领域是看不到的。

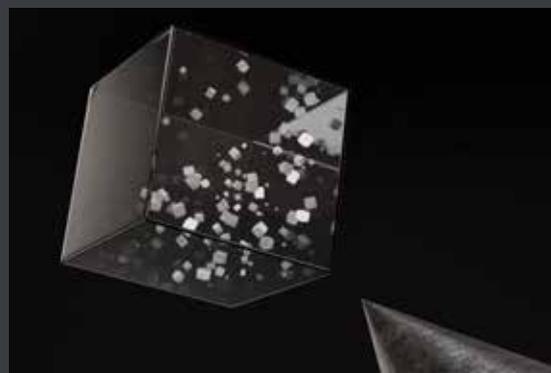


功能完整性

在分布式系统中可靠性和高可用性一直是人们关注的主要问题。

在云计算中提供高度可用和可靠的服务对于维持客户的信心和满意度以及防止收入损失至关重要。

EXOR是工业级产品和软件的长期提供商。从一开始，CORVINA Cloud的设计就具有坚实的基础架构，但更重要的是自动程序，该程序不断监视系统状态并预测和预警未来可能出现的问题。



实用程序的益处



即插即连
简化流程将任何设备连接到云



数据建模
优化设备连接允许创建配置文件用于机器型号



多用户管理
轻松升级，轻松定制和持续节省成本



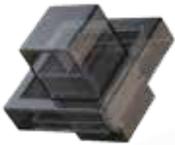
CUSTOM SDK
通过实现Widget、KPI、数据分析功能自定义仪表盘



细粒访问
高度具体数据和功能的访问限制



地理定位
实现所有功能的可能性与设备的位置有关(Route, GeoFencing等)



REST API
提供极大的灵活性。数据与资源或方法无关。



报警
借助电子邮件通知所收到的及时信息，保护工厂的正常运行时间和安全，从而最大程度地减少异常情况的数量和影响。



远程管理
基于警报和远程支持的前瞻性服务给客户



UI 定制
放置视觉设计符合您的品牌提供良好二次销售



创建仪表盘
自主创建仪表盘，向您显示与业务相关的数据



硬件

嵌入



EXOR嵌入式

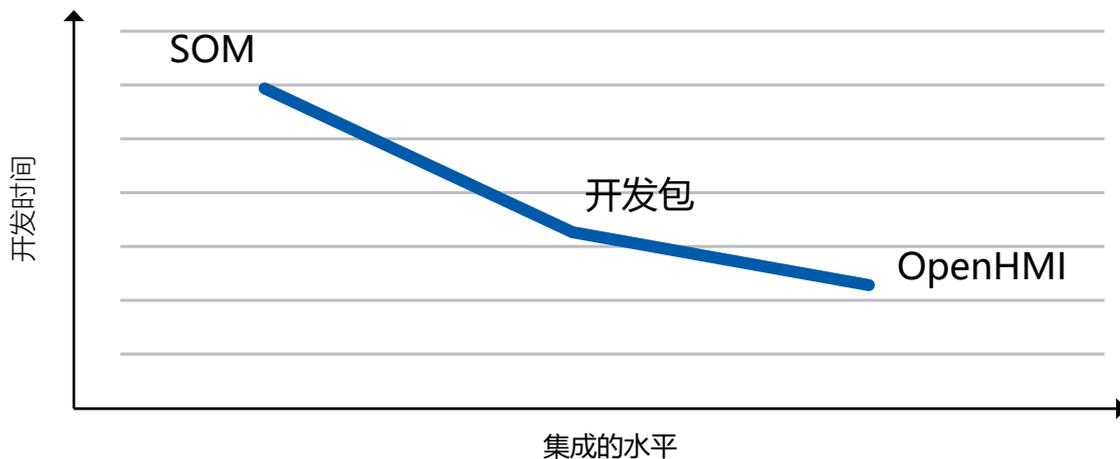
EXOR嵌入式专注于基于ARM架构的嵌入式计算机系统，其用于很多种不同的专业环境。作为该领域最具创新性的供应商之一，我们为客户提供以下领域的专业知识和技术：

- 使用BSP、Linux、Yocto和Codesys进行电子系统开发，
- 系统集成支持协议集成和云连接，以及
- 几乎最终电子产品的生产。



作为EXOR国际的一个分支，我们拥有近50年的经验，并在工业、船舶、汽车和建筑等领域中成功地完成了大量项目，从中获得了丰富的专业知识和技术。我们开发的一些产品已经在工业环境中运行了几十年，证明了支持的持久性和设计的弹性。

我们的强项之一是我们自己的专业内部生产。每年有超过50,000个电子单元在这里生产、测试和发货给全球的用户。我们的最终产品使EXOR嵌入式在最终产品工业化中对面临的挑战具备更深的理解。伴随整个开发周期的专业知识使我们能够帮助您优化生产线。



EXOR嵌入式SOM(模块上系统)系列提供了性能优异、空间和成本节省的产品。基于最新的ARM、x86和FPGA处理器的新产品不断推出，该SOM目录也随之不断地扩大和更新，以保证我们的客户有可能创建具有竞争力和高性能的产品。高计算功率和经济的空间是设计的一个特点。它们提供了将它们放入紧凑型设备的可能性。

用于SOM的开发包使软件开发可以立即开始，即使最终硬件设计尚未确定。相关处理器的所有公共接口都可以在基板上使用，这样就可以进行完整的软件开发。包括到Corvina(科伟纳)云的连接。一旦开发完成，相关的SOM就可以快速、轻松地集成到您自己的硬件中。

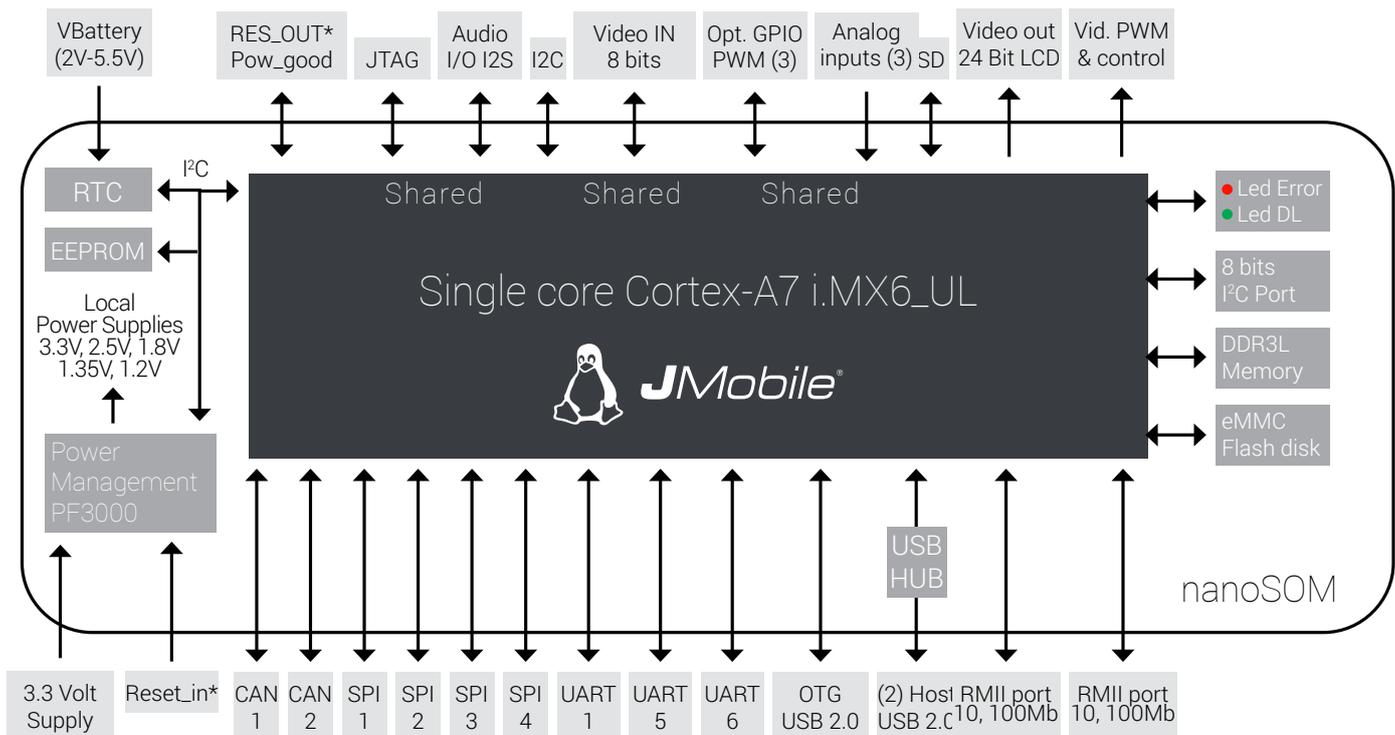
EXOR嵌入式还为客户提供开放式框架或半组装的载板，如新的OpenHMI开发包。这些开发包由一个基于nanoSOM的单板计算机连接到显示器和触摸屏组成。OpenHMI技术为我们的客户保证了最佳的上市时间，他们可以将我们的硬件直接集成到他们的产品中。包括一个专用版本的行业著名的JMobile连接和可视化软件，以及连接到工业云 - Corvina云及其它第三方云服务。OpenHMI家族的产品有不同的配置，特别适用于开发HMI系统和开发用于采集和传输现场数据到云端的工业微型PC，即智能物联网网关PC。

nanoSOM nS01 - 技术数据



NanoSOM nS01是高创新性，高性能，非常高效，超紧凑和成本效益的，基于i.MX 6 UltraLite CPU ARM Cortex-A7 core的SOM(模块上系统)。

Dimensions	25,4x25,4 mm
Temperature Range	Commercial 0 to +70°C / Industrial -40 to +85°C
CPU	NXP i.MX6 UltraLite 528 Mhz - ARM Cortex-A7 MPCore with TrustZone and NEON Media Processor unit.
DDR	Up to 1 GByte high performance DDR3L
Flash Disk	Up to 32 GByte eMMC Flash
EEPROM	512 Bytes x 8
RTC	Yes, Battery or SuperCAP backup
Watchdog/RTC/Voltage monitor/JTAG	Yes
USB	2 (Host V2.0), 1 (OTG)
Ethernet	2 (RMII ports 10/100Mb MAC IEEE1588)
SD	1 (via External connectors)
SPI	4
I2C	1
CAN	2
UARTs	3
Audio	1 (I2S Channel)
Video	24 bits RGB LCD parallel / Optional Video Input Port 8 bits (shared with some peripherals)
Analog Input / GPIO	3 Analog Inputs and several programming GPIO signals with interrupt capability (2 PWM). Reserved Pins for Power-Fail, Power Good, Reset IN, Reset Out functions.
Security	Optional Advanced Security functions ARM TrustZone with optional 10 Tamper pads
Power Supply	Single 3,3 Volt / VBB for RTC Backup

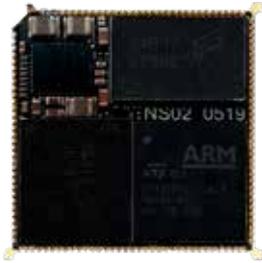


订货信息

型号	货号	说明
nS01-0001	+NS01-0001	i.MX6 UltraLite 528Mhz - 256MB DDR3L - 4GB Flash Disk - Operating Temp. 0 to +70°C
nS01-0002	+NS01-0002	i.MX6 UltraLite 528Mhz - 512MB DDR3L - 4GB Flash Disk - Operating Temp. -40 to +85°C
nS01-0003	+NS01-0003	i.MX6 UltraLite 528Mhz - 512MB DDR3L - 4GB Flash Disk - Operating Temp. -40 to +85°C - Adv.Security
nS01-0004	+NS01-0004	i.MX6 UltraLite 528Mhz - 1GB DDR3L - 8GB Flash Disk - Operating Temp. -40 to +85°C
nS01 Dev. Kit	+EE16EK-0005	nanoSOM nS01 Development Kit
OpenHMI nS01 Dev. Kit	+EE16EK-0007	5" OpenHMI nS01 Development Kit

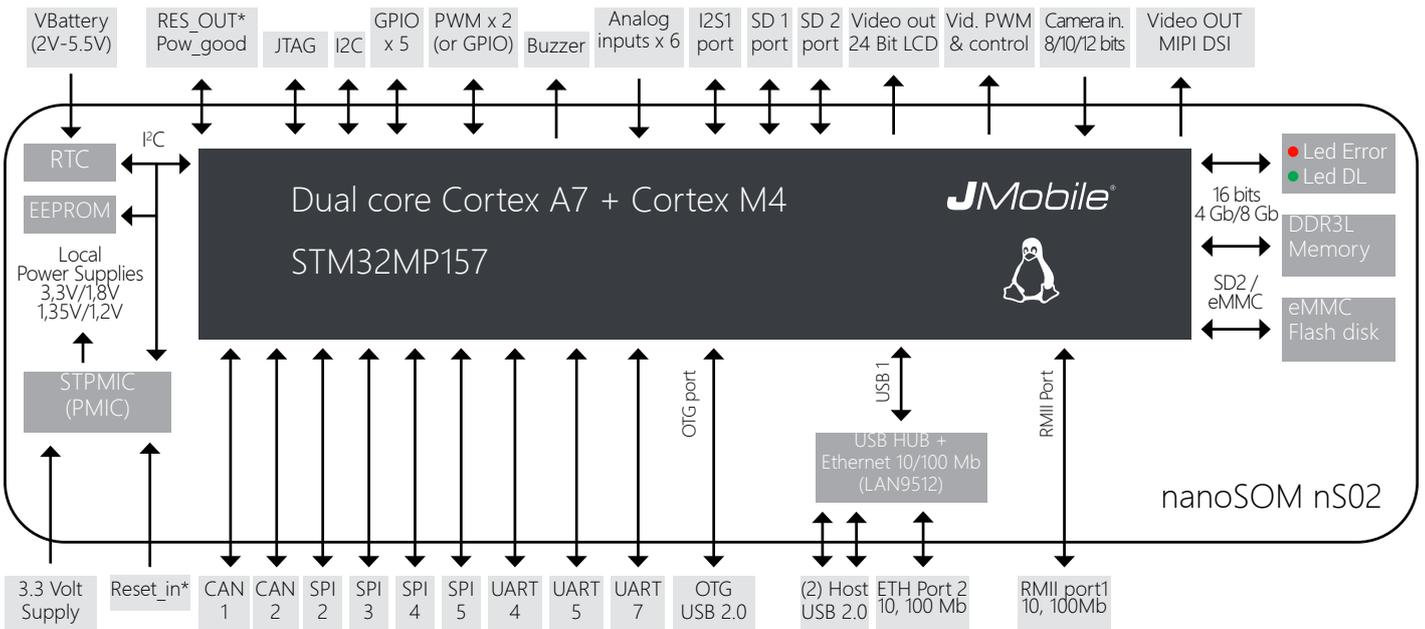
可选使用不同的配置，采用不同的 CPU 货号、存储器大小和工作温度等级。

nanoSOM nS02 - 技术数据



NanoSOM nS02是高创新性，高性能，非常高效，超紧凑和成本效益的，基于Dual Cortex-A7 plus M4 MPU with 3D GPU的SOM(模块上系统)。

Dimensions	25,4x25,4 mm
Temperature Range	Commercial 0°C to 70°C / Industrial -40°C to +85°C
CPU	STM32MP157 up to 800 Mhz Dual Cortex-A7 plus M4 MPU with 3D GPU.
DDR	Up to 1 GByte high performance DDR3L
Flash Disk	Up to 32 GByte eMMC Flash
EEPROM	512 Bytes x 8
RTC	Yes, Battery or SuperCAP backup
Watchdog/RTC/Voltage monitor/JTAG	Yes
USB	2 (Host V2.0), 1 (OTG)
Ethernet	1 (RMII 10/100Mb MAC IEEE1588) and 1 (10/100Mb Direct Line Interface)
SD	2 (via external connectors)
SPI	4
I2C	1
CAN	2
UARTs	3
Audio	1 (I2S Channel)
Video out/Video in	24 bits RGB LCD parallel or 2 lane MIPI DSI Video Input Port (camera port) 8,10,12 Bit
Analog Inputs / GPIO	More Analog Inputs and several programming GPIO signals with interrupt capability. Reserved Pins for Power-Fail, Power Good, Reset IN, Reset Out functions.
HW security	Secure boot, Trust Zone IPs
Power Supply	Single 3,3 Volt / VBB for RTC Backup



订货说明

型号	货号	说明
nS02-0001	+NS02-0001	STM32MP157 up to 800Mhz - 256MB DDR3L - 4GB Flash Disk - Operating Temp. -40 to +85°C
nS02-0002	+NS02-0002	STM32MP157 up to 800Mhz - 512MB DDR3L - 4GB Flash Disk - Operating Temp. -40 to +85°C
nS02-0003	+NS02-0003	STM32MP157 up to 800Mhz - 1GB DDR3L - 8GB Flash Disk - Operating Temp. -40 to +85°C
OpenHMI nS02 Dev. Kit	+EE16EK-0009	5" OpenHMI nS02 Development Kit

可选使用不同的配置，采用不同的 CPU 货号、存储器大小和工作温度等级。

microSOM uS01 - 技术数据

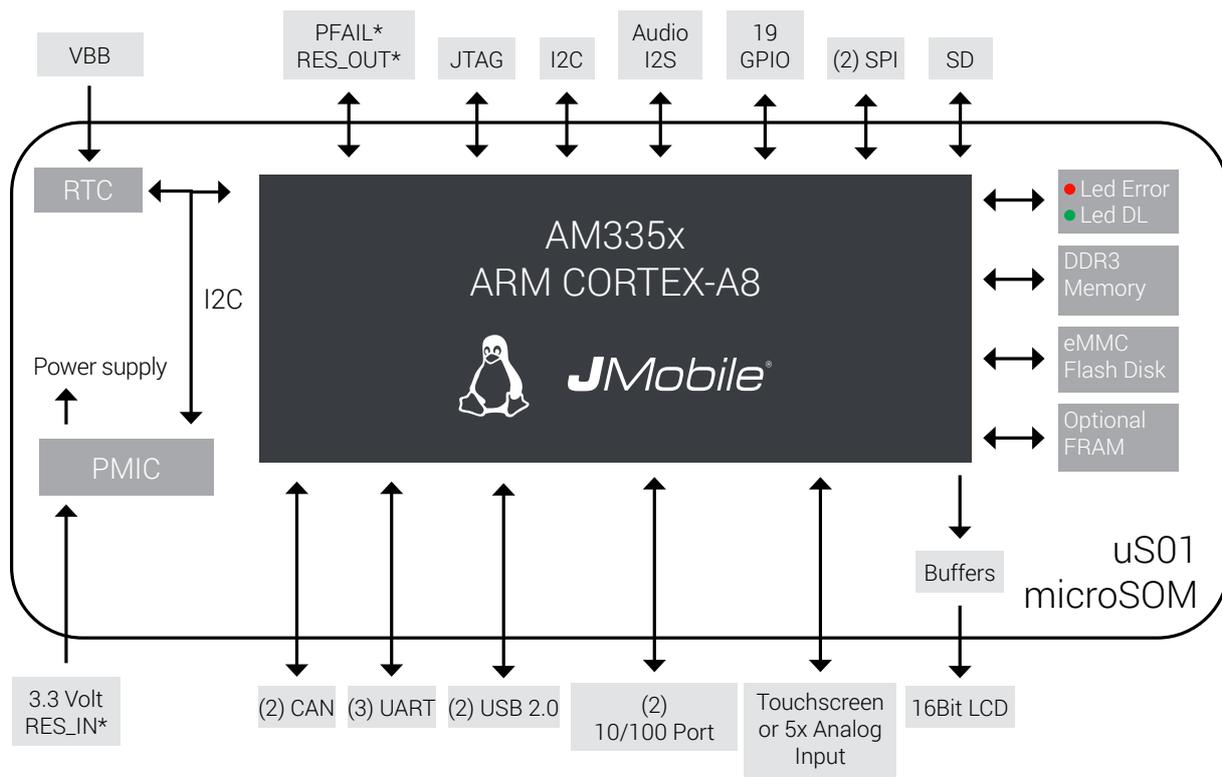


microSOM uS01, TI的Sitara ARM-Cortex-A8基microSOM标准, 满足提高系统性能的要求。

Dimensions	46x35 mm
Temperature Range	-40°C to +85°C
CPU	TI Sitara AM3352/AM3354 up 1 GHz
DDR	Up 512 Mbytes DDR3
Flash Disk	Up to 4 Gbytes eMMC (The actual size could vary according to the device's vendor. 2MB min. of boot sectors.)
EEPROM	4 Kbits
FRAM	64 Kbytes (optional)
Watchdog/RTC/Voltage monitor/JTAG	Yes
USB	2 (Host V2.0)
Ethernet	2 (RMII ports 10/100 Mb)
SD	1
Serial Port	3*
SPI	2
I2C	1
CAN	2*
Audio	1 (I2S Channel)
Video	1 (Video Out Controller 16 Bit)
Analog Input	5
GPIO	19

软件可配置。不是所有选择都能被组合。

* 一个UART共享一个CAN



订货说明

型号	货号	说明
uS01-0001	+US01-0001	TI Sitara AM3354 1Ghz - 512MB DDR3 - 4 GB Flash Disk - Operating Temp. -40 to +85°C
uS01-0002	+US01-0002	TI Sitara AM3352 300Mhz - 256MB DDR3 - 2 GB Flash Disk - Operating Temp. -40 to +85°C
uS01-0003	+US01-0003	TI Sitara - AM3354 1Ghz - 512MB DDR3 - 4 GB Flash Disk - Operating Temp. 0 to +70°C
uS01-0004	+US01-0004	TI Sitara AM3352 300Mhz - 256MB DDR3 - 2 GB Flash Disk - Operating Temp. 0 to +70°C
uS01 Development Kit	+EE16EK-0002	microSOM uS01 Development Kit

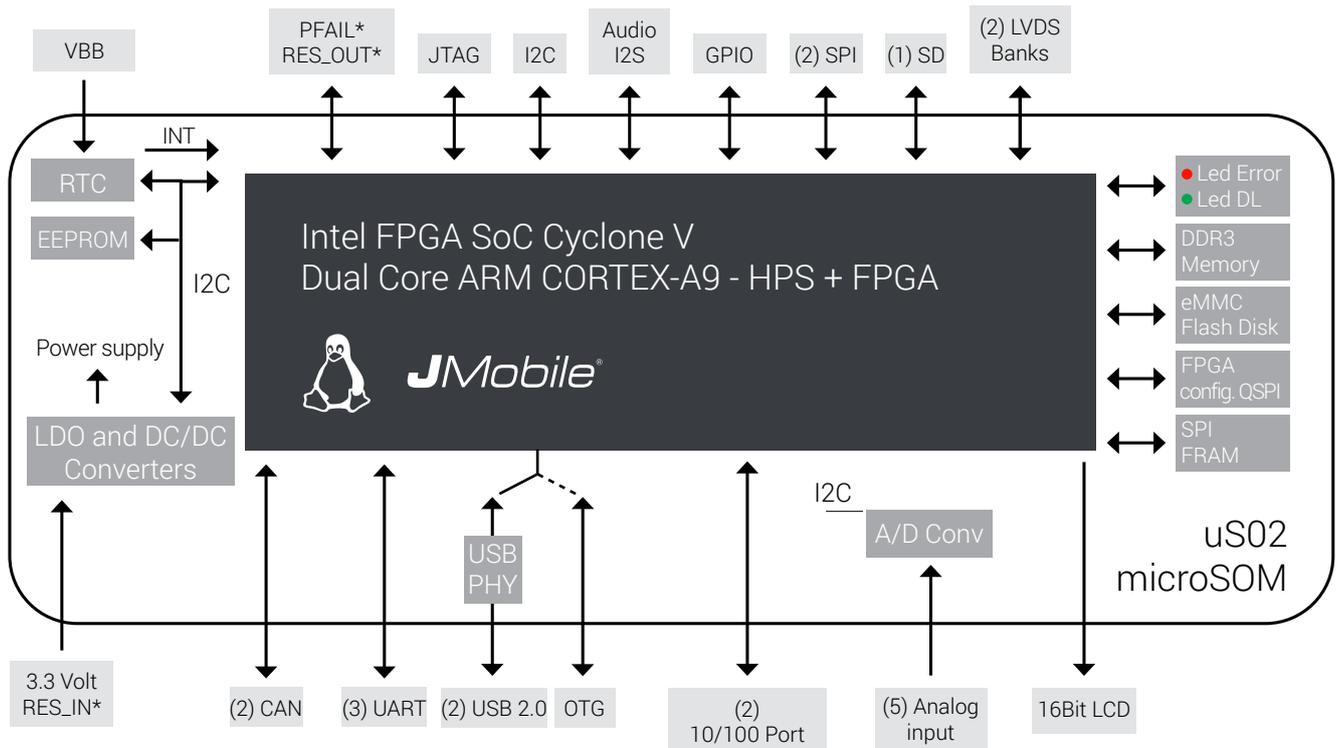
microSOM uS02 - 技术数据



microSOM uS02 Intel Cyclone V SE SoC基新的microSOM标准用于满足提高系统性能的要求。

Dimensions	46x35 mm
Temperature Range	-40°C to +85°C
CPU	Intel 5CSEBA2 (A6) Dual ARM Cortex - A9 925 MHz
Integrated with FPGA up to 110K LEs	25/110 KLE
DDR	1 Gbyte DDR3
Flash Disk	Up to 4 Gbytes eMMC (The actual size could vary according to the device's vendor. 2MB min. of boot sectors.)
QSPI	Up to 256 Mbits
EEPROM	4 Kbits
FRAM	64 Kbytes
Watchdog/RTC/Voltage monitor/JTAG	Yes
USB	2 (Host V2.0) or 1 (OTG)
Ethernet	2 (RMII ports 10/100 Mb)
SD	1
Serial Port	3
SPI	2
I2C	1
CAN	2
Audio	1 (I2S Channel)
Video	(1) Video Out Controller 16 Bit - Video Input: Digital Interface ITU656
Analog Input	5
GPIO	Several GPIO available depending of FPGA configuration, 2 LVDS I/O with 5 lanes each

软件可配置。不是所有选择都能被组合。



订货说明

型号	货号	说明
uS02-0001	+US02-0001	Cyclone V SoC - 110 KLE - 1GB DDR3 - 4 GB Flash Disk - Operating Temp. -40 to +85°C
uS02-0002	+US02-0002	Cyclone V SoC - 25 KLE - 1GB DDR3 - 4 GB Flash Disk - Operating Temp. -40 to +85°C
uS02 Dev. Kit	+AL15EK-0001	microSOM uS02 Development Kit

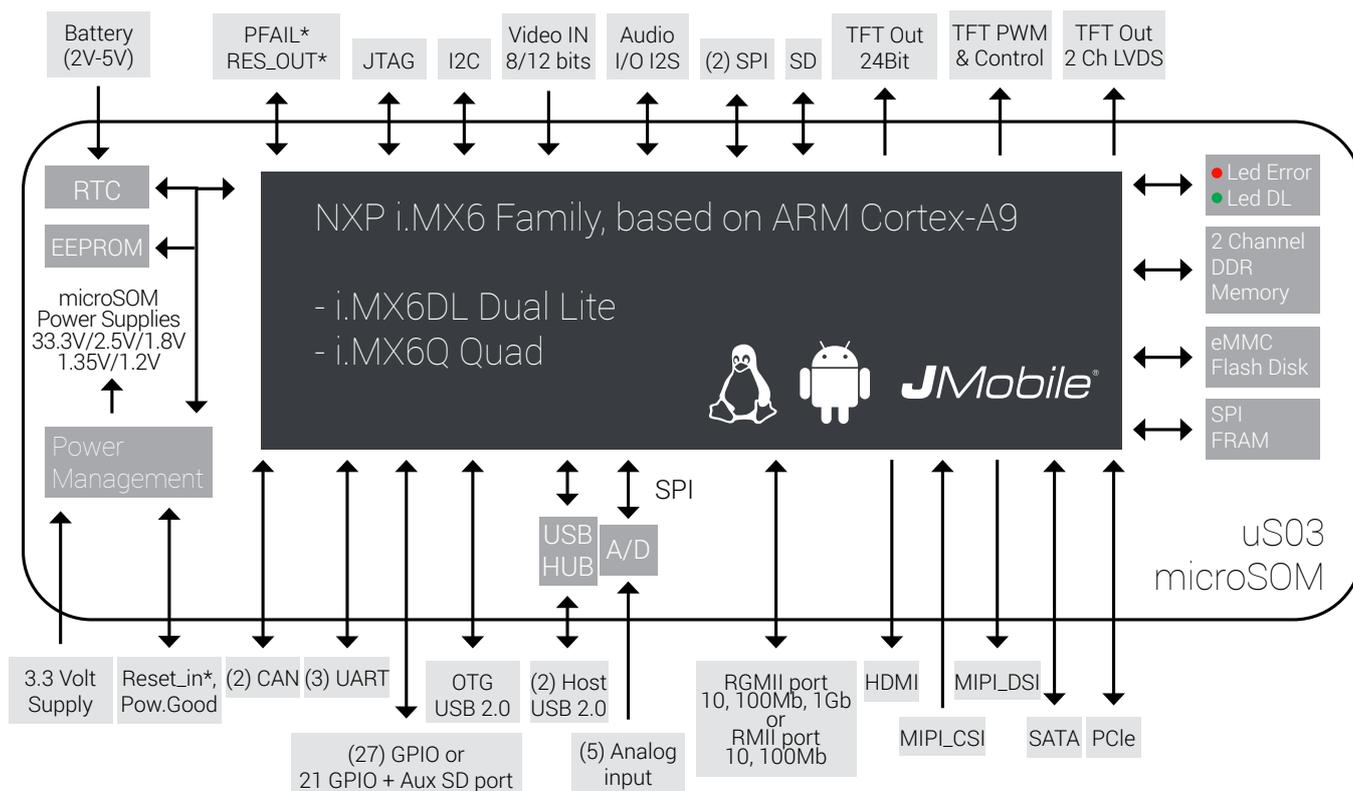
microSOM uS03 - 技术数据



uS03是高创新性、高性能 i.MX 6 Quad/Dual/DualLite/Solo core ARM Cortex-A9 of microSOM家族。uS03 microSOM解决方案特别适用于要求多媒体功能和/或高水平并行计算的应用。

Dimensions	46x35 mm
Temperature Range	-40°C to +85°C
CPU	i.MX6S Solo up to 800 MHz, i.MX6DL DualLite up to 800 MHz, iMXD Dual up to 800 MHz, i.MX6Q Quad up to 800 MHz
DDR	Up to 2 GBytes high performance LVDDRAM2 Dual Channel mode (2x32 bit)
Flash Disk	Up to 8 Gbytes eMMC
EEPROM	4 Kbits
FRAM	64-Kbytes (optional)
Watchdog/RTC/Voltage monitor/JTAG	Yes
USB	2 (Host V2.0), 1 (OTG)
Ethernet	1 (RMII 10/100 Mb) or 1 (RGMII 10/100/1000 Mb)
SD	2
Serial Port	3
SPI	2
I2C	1
CAN	2
Audio	1 (I2S Channel)
Video OUT	1 (Video Out Controller 24 Bit), 1 (Video Out LVDS Dual Ch. or 2 Single Channel), 1 (HDMI 1.4), 1 (MIPI DSI)
Video IN	1 (Camera int. MIPI CSI), 1 (Camera parallel input up to 12 bits)
Analog Input	5
GPIO	27
PCIe	GEN1 (2.5 Gbps)

软件可配置。不是所有选择都能被组合。



订货说明

型号	货号	说明
uS03-0001	+US03-0001	i.MX6 DualLite 800Mhz - 1GB DDR - 4GB Flash Disk - Operating Temp. -40 to +85°C
uS03-0002	+US03-0002	i.MX6 Quad 800Mhz - 2GB DDR - 8GB Flash Disk - Operating Temp. -40 to +85°C
uS03 Kit	+EE16EK-0001	microSOM uS03 Development Kit

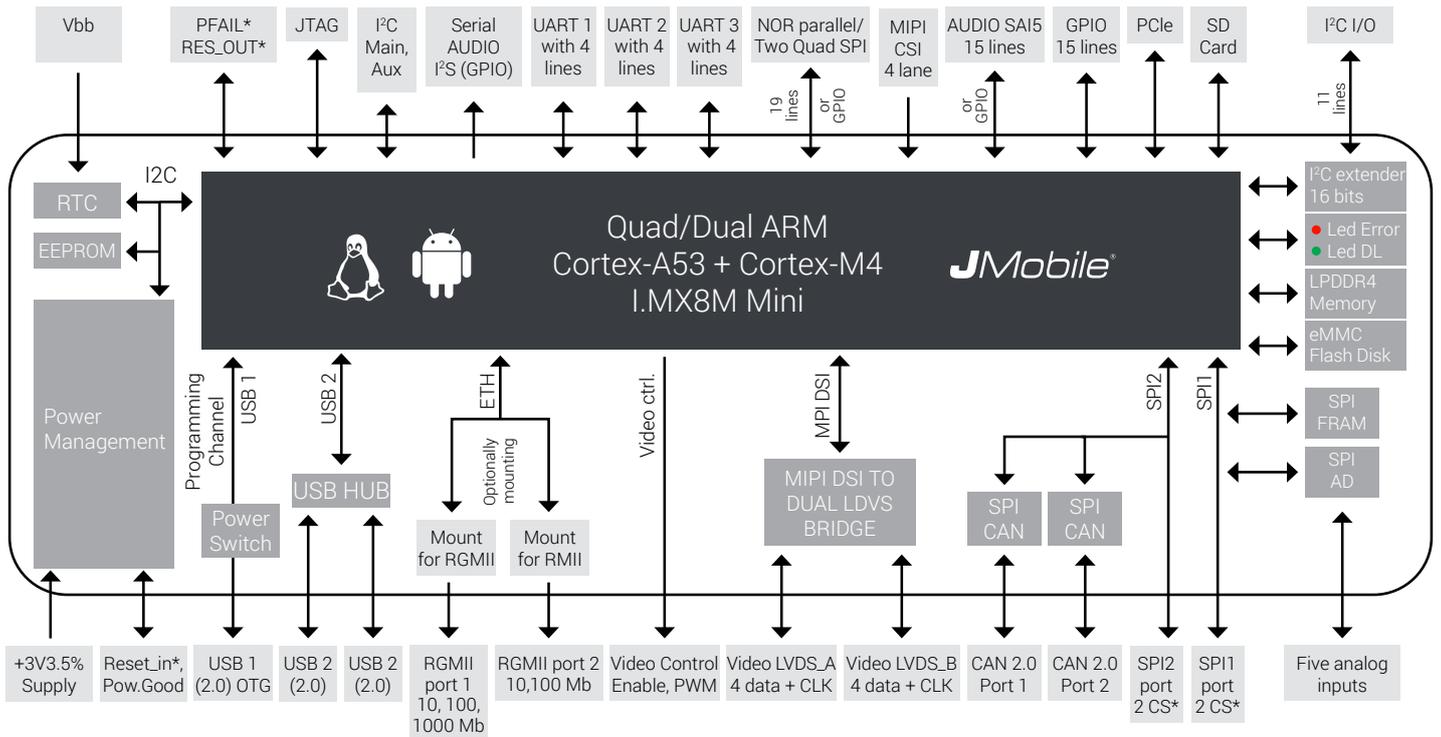
microSOM uS04 - 技术数据



microSOM uS04是一款高创新性、高性能模块，基于 i.MX8M mini家族，它是知名i.MX6的一个理想继承者。该家族合并了quad/dual Arm® Cortex®-A53，带一个附加的Cortex-M4 core。

Dimensions	46x35 mm
Temperature Range	-40°C to 85°C
CPU	i.MX8M Mini Quad/Dual ARM Cortex-A53 at 1.6 Ghz
DDR	LPDDR4 x32 @ 3000 MT / 2 GB
Flash Disk	eMMC 5.0, up to 32 GB on board
EEPROM	I ² C, 4 Kbits
FRAM	64 Kbytes
External memory (*)	Direct support for NOR parallel flash or 2 QSPI or additional eMMC SD interface (in case of using must be mounted at external carrier board)
Watchdog/RTC/Voltage monitor/JTAG	Yes
USB	1 (OTG 2.0), 2 (Host 2.0)
Ethernet	US04-0001 and US04-0003: 1 (RMII port 10/100 Mb) US04-0002 and US04-0004: 1 (RGMII port 10/100/1000 Mb)
SD	Yes, via external connector
Serial Port	3 UARTS (4 lines)
SPI	2 channels with two CS*
I ² C	2
CAN	2 using onboard SPI/CAN bridges
Audio	1 (I2S), 1 (Generic audio channel with 15 signals)
Video out	1 Video Out LVDS Single or dual Channel
Video in	1 (MIPI CSI 4 lanes)
GPIO	15 signals from CPU and 13 signals from on board I2C extenders
Analog input	5 single ended channels, 12bits, 1V8 Max
PCIe	Single lane, GEN1, GEN2
Current Consumption	1A @ 3V3 (cpu Quad Core)

* 软件可配置。在不使用某些特定接口的情况下所有针脚都能被用作GPIO



订货说明

型号	货号	说明
uS04-0001	+US04-0001	i.MX8M Mini Quad ARM Cortex-A53 1.6 GHz - 2 GB LPDDR4 - 8GB - RMII - Operating Temp. -40 to +85°C
uS04-0002	+US04-0002	i.MX8M Mini Quad ARM Cortex-A53 1.6 GHz - 2 GB LPDDR4 - 8GB - RGMII - Operating Temp. -40 to +85°C

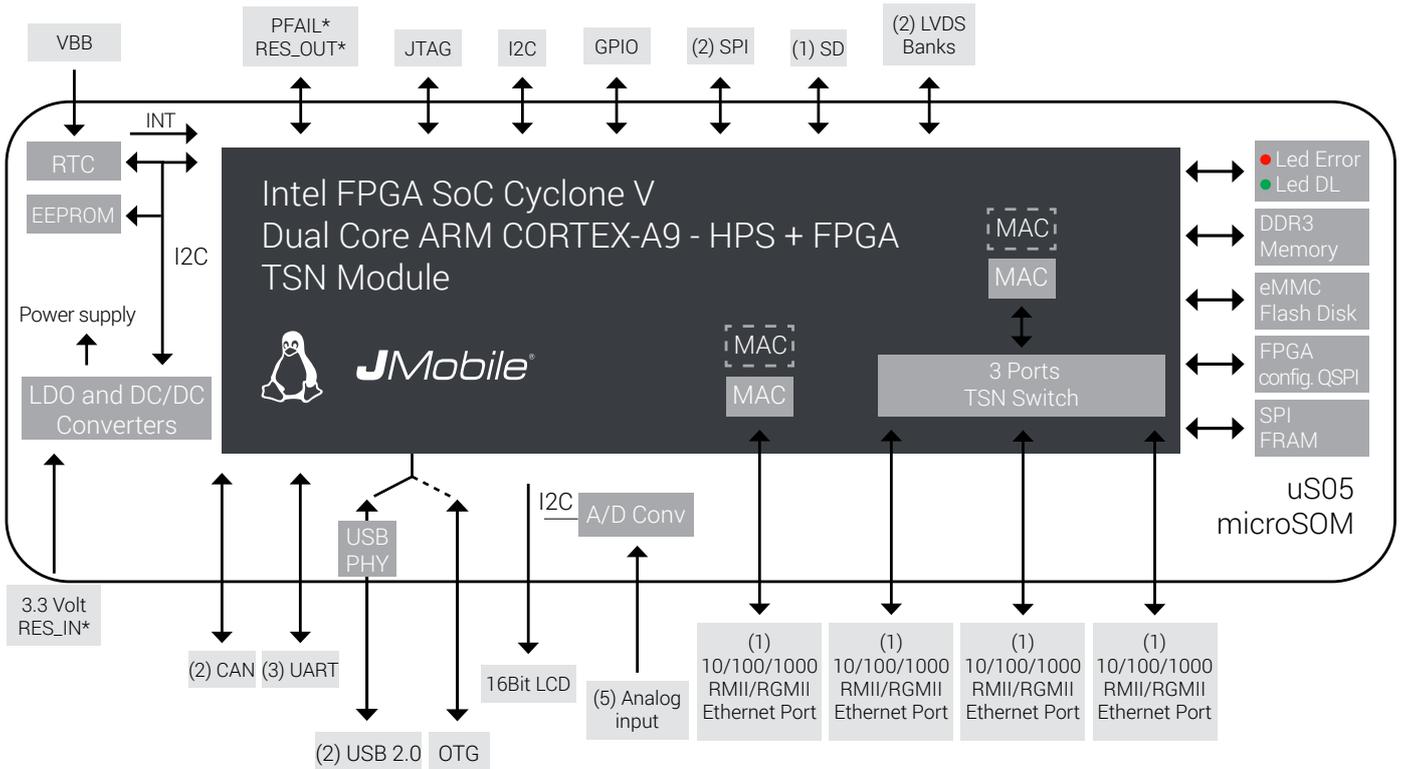
microSOM uS05 TSN Version - 技术数据



microSOM uS05 Intel FPGA现在支持新的时间敏感网络 (TSN)机制。使用该产品的设备已经在著名的工业以太网联盟的TSN测试台架上成功地完成互操作性测试。

Dimensions	46x35 mm
Temperature Range	-40°C to +85°C
CPU	Intel 5CSEBA6 Dual ARM Cortex - A9 925 MHz Integrated with FPGA 110 KLE
DDR	1 Gbyte DDR3
Flash Disk / QSPI	4 GByte eMMC / 256 Mbits
EEPROM	4 Kbits
FRAM	64-Kbytes
Watchdog/RTC/Voltage monitor/JTAG	Yes
USB	2 (Host V2.0) or 1 (OTG)
Ethernet	4 (RGMII 10/100/1000 Mb Ethernet MAC)
TSN	3 Ports Ethernet TSN Switch (RGMII)
SD	1
Serial Port	3
SPI	2
I2C	1
CAN	2
Video	1 (Video Out Controller 16 Bit)
Analog Input	5
GPIO	Several GPIO available depending of FPGA configuration, 2 LVDS I/O with 5 lanes each

软件可配置。不是所有选择都能被组合。



订货说明

型号	货号	说明
uS05-0001	+US05-0001	Cyclone V SoC - 110 KLE - 1GB DDR3 - 4 GB Flash Disk - TSN Support - Operat. Temp. -40 to +85°C
uS05-0002	+US05-0002	Cyclone V SoC - 110 KLE - 1GB DDR3 - 4 GB Flash Disk - Operat. Temp. -40 to +85°C
uS05 TSN Kit	+EE16EK-0008	microSOM uS05 Development Kit

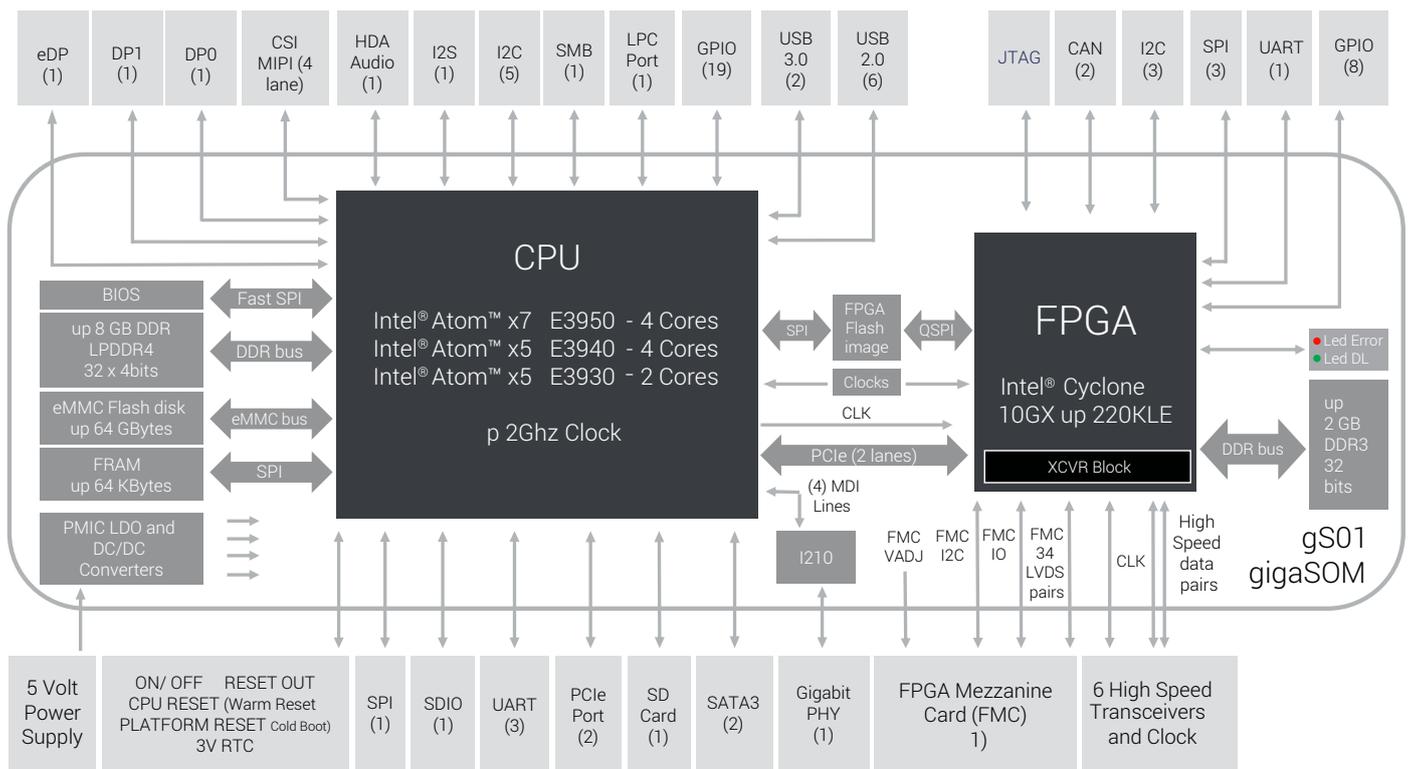
gigaSOM gS01 - 技术数据



GigaSOM gS01是一款高创新性的、高性能的、非常高效的、又超级紧凑的SOM, 基于Atom E39xx Intel® CPU cores 和 Intel® Cyclone 10 GX FPGA。

Dimensions	81,6 x 54 x 4,9 mm
Temperature range	-40°C to +85°C
Power supply	5V,+ 5%, current (TBD)
CPU	Intel® Atom E39XX Quad or Dual cores
FPGA	Intel® Cyclone 10 GX up to 220 KLE
DDR	LPDDR4 up to 8 Gbytes for CPU and DDR3 up to 2 GBytes for FPGA
Flash memory	Up to 64 Gbytes eMMC Flash for CPU, 1 Gbytes QSPI Flash for FPGA
FRAM	64 Kbytes via CPU side
Video out interfaces	eDP, DP0 and DP1 via CPU side
Video in interfaces	CSI MIPI via CPU side (4 lanes)
Audio	HDA and I2S via CPU side
CPU high speed interfaces	6 (USB 2.0), 2 (USB 3.0), 2 (SATA3), 1 (Gigabit Ethernet), PCIe (1 lane), PCIe (2 lane)
CPU low speed interfaces	SMB bus, 5 (I2C), 3 (UART), SPI, LPC, SDIO, SD card, GPIO
FPGA high speed interfaces	34 LVDS pairs plus six 10Gb transceivers (support for FMC LPC and LPC+)
FPGA low speed interfaces	2 (CAN), 3 (SPI), 2 (I2C), 1 (UART), 1 (GPIO)
Interface CPU-FPGA	Dual Lane Gen 2 PCIe
FPGA image	Configurable via CPU

软件可配置。不是所有选择都能被组合。



订货说明

型号	货号	说明
gS01-0001	+GS01-0001	Intel® Atom E3930 - 4GB LPDDR4 - 32GB Flash Disk - Operating Temp. -40 to +85°C
gS01-0002	+GS01-0002	Intel® Atom E3940 - 8GB LPDDR4 - 64GB Flash Disk - Operating Temp. -40 to +85°C
gS01-0003	+GS01-0003	Intel® Atom E3930 - 4GB LPDDR4 - 32GB Flash Disk - Cyclone 10GX 85KLE - Operating Temp. -40 to +85°C
gS01-0004	+GS01-0004	Intel® Atom E3940 - 8GB LPDDR4 - 64GB Flash Disk - Cyclone 10GX 220KLE - Operating Temp. -40 to +85°C
gS01 Dev. Kit	+EE16EK-0011	gigaSOM gS01 Development Kit

创建不同的东西

使用EXOR嵌入式开发套件和OpenHMI套件开始您自己的创作过程。

适用于所有SOM的开发套件使软件开发可以立即开始。即使尚未决定最终的硬件设计，也是如此。

OpenHMI技术为将我们的硬件直接集成到其产品中的客户保证了最短的上市时间。



gS01开发套件
基于GS01-0004 E3940和
Cyclone X FPGA的开发板
货号: + EE16EK-0011



Kairos板
具有3个以太网端口和TSN
交换机支持
货号: +EE16EK-0010



nS01开发套件
开发板以及带有PCAP
Touch的7英寸显示屏，基
于带有JMobile和CODESYS
PLC演示版的nS01-0002
nanoSOM
货号: +EE16EK-0005



uS01开发套件
开发板以及带PCAP Touch
的7英寸显示屏，基于带
JMobile和CODESYS PLC演
示版的uS01-0004 SOM
货号: +EE16EK-0002



uS02开发套件
开发板以及带有PCAP
Touch的7英寸显示屏，基
于US02-0001 (Cyclone
V 110KLE) SOM，带有
JMobile和CODESYS PLC
演示版
货号: +AL15EK-0001



uS03开发套件
开发板以及带有PCAP
Touch的7英寸显示屏，基
于US03-0002 (具有2 GB
RAM和8 GB eMMC的iMX6
四核) SOM以及JMobile和
CODESYS PLC演示版
货号: +EE16EK-0001



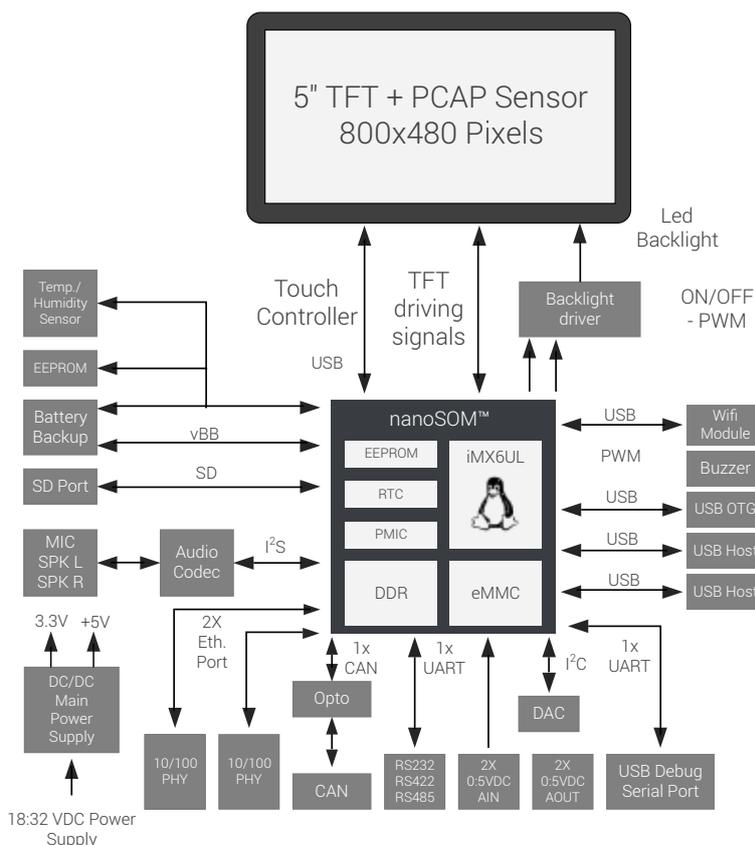
uS05开发套件
开发板以及带有PCAP
Touch的7英寸显示屏，基
于带JMobile和CODESYS
PLC演示版本的uS05
SOM。uS05开发套件
支持TSN协议。
货号: +EE16EK-0008

5" OpenHMI nS01 Dev. Kit - 技术数据



OpenHMI nS01是一款创新的嵌入式智能 IoT 控制器基于 nS01 i.MX 6 UL ARM Cortex-A7 of nanoSOM 模块并且全面集成高分辨率 5英寸 TFT 800x480包含高可靠性投射电容触摸屏传感器。

CPU	
CPU Type	iMX.6UL
Core Class	Single Core Cortex-A7 528Mhz
RTC	30 ppm @25°C – Batt. backup
Memory	
eMMC	4GByte
RAM	512MByte DDR
EEPROM	4KBits
SD Card Slot	1 (Standard SD card)
Operating System	
Supported OS	Linux Yocto
Comm. Interfaces	
Ethernet	2 (10/100 Mb)
Wifi	802.11 a/b/g/n (2.4 - 5 GHz)
USB 2.0	1 (USB OTG) + 2 (USB Host)
CAN Fieldbus	1 (CAN (isolated))
Serial Port	1 (RS232/RS422/RS485)
SPI / I2C	2 (SPI) / 1 (I ² C) / Serial TTL / I/O Connector
Audio	
Audio Interface	MIC/SPKL-SPKR 3,5mm Headset connector + Buzzer
Display and Touch	
Size	5"
Resolution	800x480
Brightness	300 cd/m2
Backlite Lifetime	Typ. 30.000 h.
Colors	16 bit
Touch	PCAP - Multitouch Controller
I/O	
Analog Input	2 (0 to 5 VDC)
Analog Output	2 (0 to 5 VDC)
Mechanical	
Cover Glass	Optional
Dim. / Thickness	121x76x38 mm
Power Supply	
Supply voltage	18 to 32 VDC
Consumption	Typ. 5W
Operating Conditions	
Operating Temp. / Hum.	-20 to +60°C / 5 to 90% RH
Storage temp	-30 to +85°C



订货说明

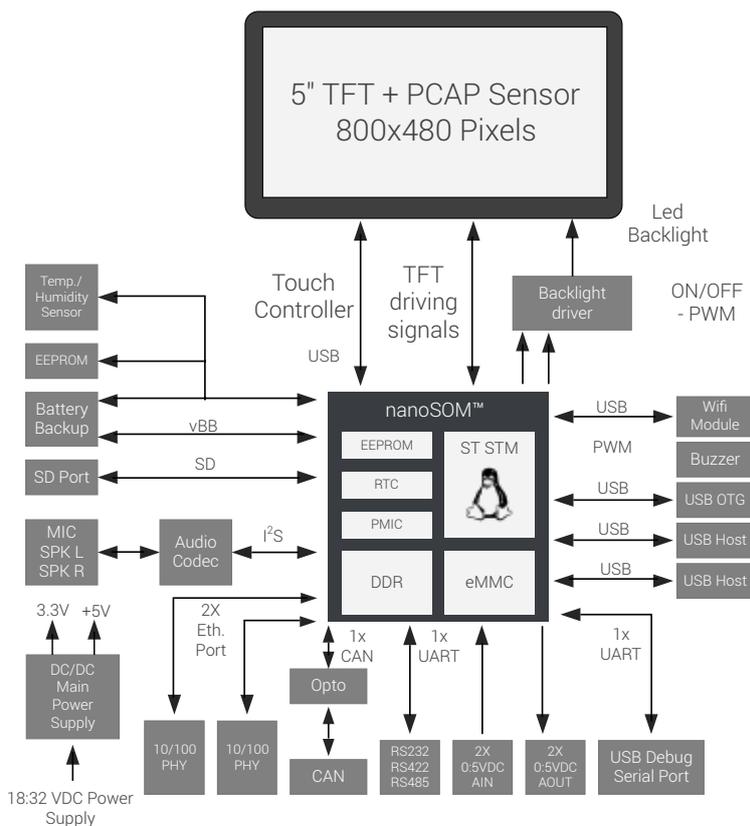
型号	货号	说明
5" OpenHMI nS01 Development Kit	+EE16EK-007	i.MX6UL - Industrial - -20°C to +60°C - 528Mhz - 512MByte DDR - 4GByte Flash disk - 4Kbits EEPROM

5" OpenHMI nS02 Dev. Kit - 技术数据



OpenHMI nS02是一款创新的嵌入式智能 IoT 控制器基于 nS02 STM32MP157CAC3 Dual ARM Cortex-A7 plus M4 MPU with 3D GPU 并且全面集成高分辨率 5英寸 TFT 800x480包含高可靠性投射电容触摸屏传感器。

CPU	
CPU Type	STM32MP157
Core Class	Dual Cortex -A7 plus M4 MPU with 3D GPU
RTC	30 ppm @25°C – Batt. backup
Memory	
eMMC	8 GB
RAM	1 GByte DDR
EEPROM	4 KBits
SD Card Slot	1 (Standard SD card)
Operating System	
Supported OS	Linux Yocto
Comm. Interfaces	
Ethernet	2 (10/100 Mb)
Wifi	802.11 a/b/g/n (2.4 - 5 GHz)
USB 2.0	1 (USB OTG) + 2 (USB Host)
CAN Fieldbus	1 (CAN (isolated))
Serial Port	1 (RS232/RS422/RS485)
SPI / I2C	2 (SPI) / 1 (I ² C) / Serial TTL / I/O Connector
Audio	
Audio Interface	MIC/SPKL-SPKR 3.5mm Headset connector + Buzzer
Display and Touch	
Size	5
Resolution	800x480
Brightness	300 cd/m2
Backlite Lifetime	Typ. 30.000 h.
Colors	16 bit
Touch	PCAP - Multitouch Controller
I/O	
Analog Input	2 (0 to 5 VDC)
Analog Output	2 (0 to 5 VDC)
Mechanical	
Cover Glass	Optional
Dim. / Thickness	121x76x38 mm
Power Supply	
Supply voltage	18 to 32 VDC
Consumption	Typ. 5W
Operating Conditions	
Operating Temp. / Hum.	-20°C to +70°C / 5 to 90% RH
Storage temp	-30°C to +80°C



订货说明

型号	货号	说明
5" OpenHMI nS02 Development Kit	+EE16EK-0009	STM32MP157 - Industrial - 20°C to +70°C - Up to 800 Mhz - 1GB DDR - 8GByte Flash disk - 4Kbits EEPROM

IoT网关



eXware系列

第一步IIoT兼容性

- 即插即用集成到现有基础设施中
- 设备数据流易于配置
- JMobile协议和网关功能
- 用于web HMI的jm4web HTML5接口
- codesys V3: 支持网络栈和本地I/O扩展能力
- 直接OPC UA通讯
- corvina cloud安全远程连接性
- 用于系统扩展的插入式模块
- 2或3个以太网端口，用于 OT和 IT 网络的物理分离
- 坚固又美观的全金属设计
- 工作温度范围宽
- 通过web浏览器进行系统设置
- 可信且安全的基于linux的操作系统
- 安全的HTTPS/TLS加密数据传输
- 通过PLCM09 2G/3G调制解调器进行移动通信
- 支持地理定位*
- 通过MQTT进行物联网数据分发*



概述

eXware系列代表了实施IIoT和Industry 4.0兼容性的审慎第一步。

作为 IIoT 领域的中心元素，eXware可以在自动化设备、云、雾和应用程序之间进行通信。

这一核心角色为企业提供了从一个简单的 IIoT 层次开始的机会，同时也允许企业将来广泛扩展到工业4.0更复杂的方面，因为员工将获得数字线程处理和控制在形式的知识。

为了获得最大的安全性，提供了两个以太网端口用于 OT 和 IT 网络的物理隔离，从而避免了同时受到攻击。

安全的HTTPS/TLS加密数据传输与签名和数据包传输确保防止数据盗窃和窃听。

JMobile 软件中大量常用协议库实现了无缝集成。现有的设备很容易在需要的时候采用和升级，而且由于JMobile出色的用户界面，因此几乎不需要编程技能。

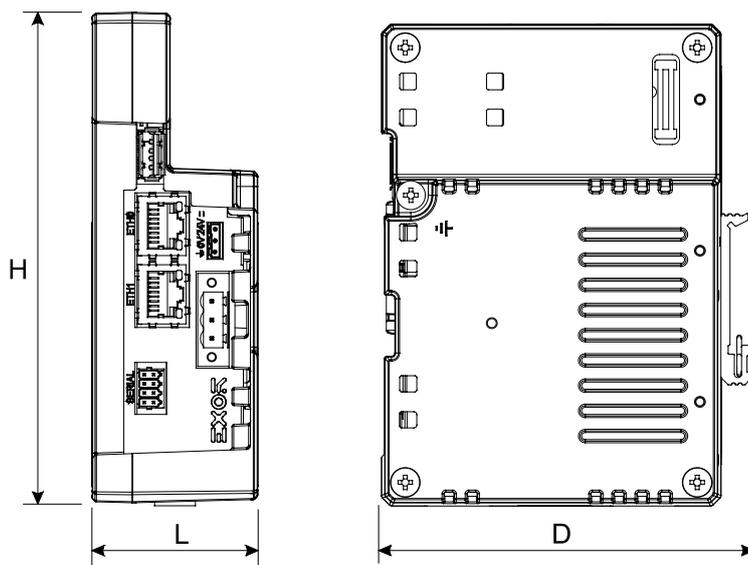
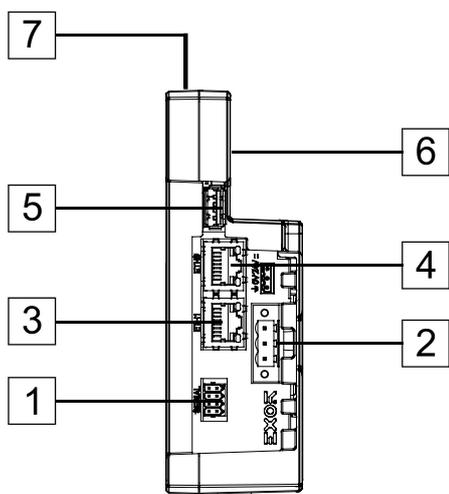
通过用作网关、功能强大的HMI、带有CODESYS V3的PLC或安全路由器，eXware能够促进数据密集型和复杂的 IIoT 应用的实施。

* Roadmap 2020

eXware703 - 技术数据



System Resources	
CPU	ARM Cortex-A8 1 GHz
Operating System	Linux RT
Flash	4 GB
RAM	512 MB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100)
USB port	1 (Host v. 2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 2 serial ports using plug-in modules.
SD card	Yes
Expansion	1 slot for plug-in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.35 A max. at 24 Vdc
Input Protection	Electronic
Battery	Yes
Environment Conditions	
Operating Temp	-20°C to +60°C - Plug-in modules and USB devices may limit max temperature to +50 °C.
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5 - 85% RH, non condensing
Protection Class	IP20
Dimensions and Weights	
Faceplate LxH	45x134 mm (1.77x5.27")
Depth D	102 mm (4.01")
Weight	0.6 Kg
Mounting	DIN Rail (TS35)
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments, EN 60945, EMC Emissions and Immunity for marine applications
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
IECEX	Zone 2: Ex nA IIC T5 Gc
ATEX	Zone 2: II 3 G Ex nA IIC T5 Gc
DNV-GL	Yes
RCM	Yes



- 1 串口
- 2 供电
- 3 Ethernet 端口 1 (10/100 Mb)
- 4 Ethernet 端口 0 (10/100 Mb)
- 5 USB 端口 1
- 6 扩展插槽用于插入式模块
- 7 SD卡插槽

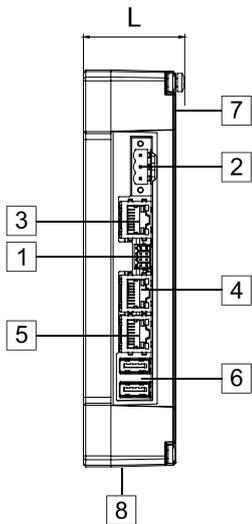
订货说明

型号	货号	说明
eXware 703	+EXW703U0P1	IoT controller and Gateway, 2 Ethernet ports, 1 serial port, 1 USB port

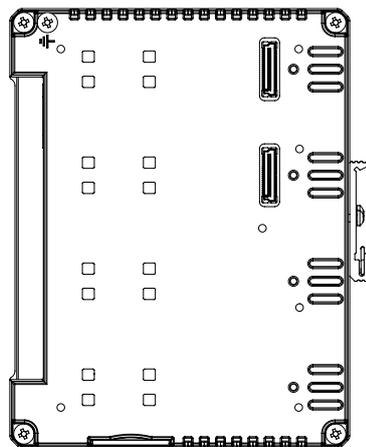
eXware707 - 技术数据



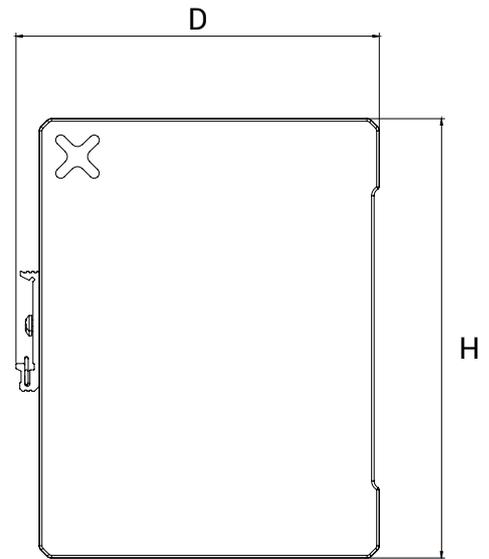
System Resources	
CPU	ARM Cortex-A9 800 MHz dual core
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host v. 2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slots for plug-in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.5 A max. at 24 Vdc
Input Protection	Electronic
Battery	Yes
Environment Conditions	
Operating Temp	-20°C to +60°C - Plug-in modules and USB devices may limit max temperature to +50 °C.
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5 - 85% RH, non condensing
Protection Class	IP20
Dimensions and Weights	
Faceplate LxH	44 x 174 mm
Depth D	144 mm
Weight	0.7 Kg
Mounting	DIN Rail (TS35)
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments EN 60945, EMC Emissions and Immunity for marine applications
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
IECEX	Zone 2: Ex nA IIC T5 Gc / -20°C ≤ Tamb ≤ +60°C. Limited to 0°C ≤ Tamb ≤ +50°C with PLIO03
ATEX	Zone 2: II 3 G Ex nA IIC T5 Gc / -20°C ≤ Tamb ≤ +60°C. Limited to 0°C ≤ Tamb ≤ +50°C with PLIO03
DNV-GL	Yes
RCM	Yes



- 1 串口
- 2 供电
- 3 Ethernet 端口 0 (10/100/1000 Mb)



- 4 Ethernet 端口 1 (10/100 Mb)
- 5 Ethernet 端口 2 (10/100 Mb)
- 6 USB 端口 1 和 2



- 7 扩展 插槽用于插入式模块
- 8 SD卡插槽

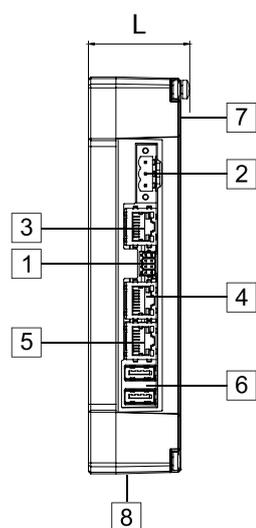
订货说明

型号	货号	说明
eXware 707	+EXW707U0P1	IoT controller and Gateway, dual core CPU, 3 Ethernet ports, 1 serial port, 2 USB ports

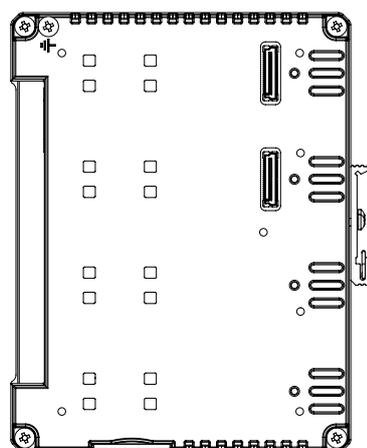
eXware707Q - 技术数据



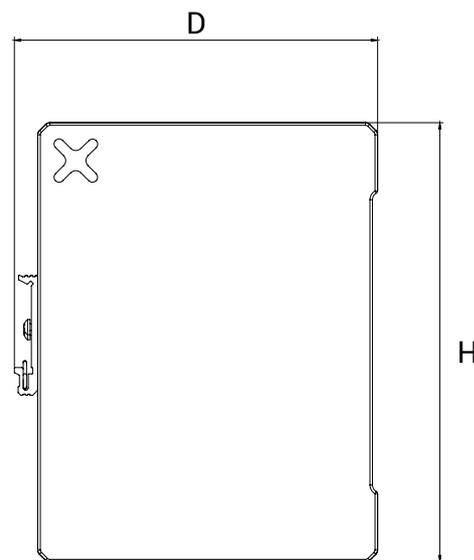
System Resources	
CPU	ARM Cortex-A9 800 MHz quad core
Operating System	Linux RT
Flash	8 GB
RAM	2 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host v. 2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slots for plug-in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.55 A max. at 24 Vdc
Input Protection	Electronic
Battery	Yes
Environment Conditions	
Operating Temp	-20°C to +60°C - Plug-in modules and USB devices may limit max temperature to +50 °C.
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5 - 85% RH, non condensing
Protection Class	IP20
Dimensions and Weights	
Faceplate LxH	44 x 174 mm
Depth D	144 mm
Weight	0.7 Kg
Mounting	DIN Rail (TS35)
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments EN 60945, EMC Emissions and Immunity for marine applications
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
IECEX	Zone 2: Ex nA IIC T5 Gc / -20°C ≤ Tamb ≤ +60°C. Limited to 0°C ≤ Tamb ≤ +50°C with PLI003
ATEX	Zone 2: II 3 G Ex nA IIC T5 Gc / -20°C ≤ Tamb ≤ +60°C. Limited to 0°C ≤ Tamb ≤ +50°C with PLI003
DNV-GL	Yes
RCM	Yes



- 1 串口
- 2 供电
- 3 Ethernet 端口 0 (10/100/1000 Mb)



- 4 Ethernet 端口 1 (10/100 Mb)
- 5 Ethernet 端口 2 (10/100 Mb)
- 6 USB 端口 1 和 2



- 7 扩展 插槽用于插入式模块
- 8 SD卡插槽

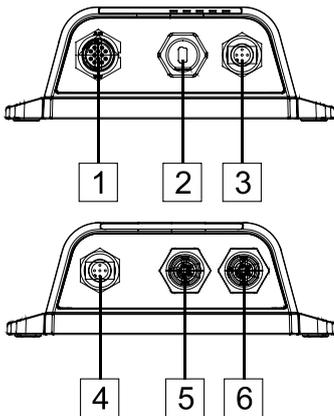
订货说明

型号	货号	说明
eXware707Q	+EXW707QU0P1	High performance IoT controller and gateway, quad core CPU, 3 Ethernet ports, 1 serial port, 2 USB ports

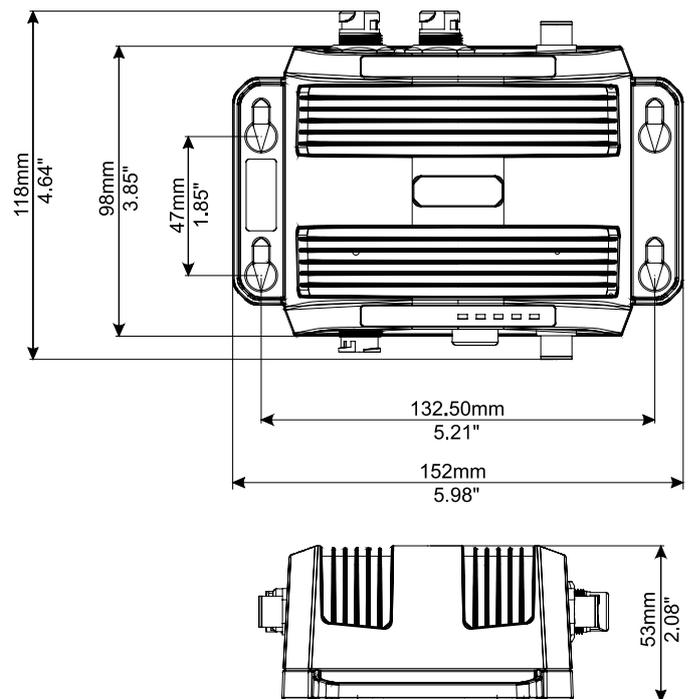
eXware705 - 技术数据



System Resources	
CPU	ARM Cortex-A8 300 MHz
Operating System	Linux RT
Flash	2 GB
RAM	256 MB
FRAM	64 KB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100)
USB port	1 (Host v. 2.0, max. 100 mA)
Serial port	2 (RS-232, RS-485, RS-422, software configurable, optical isolation)
CAN Port	2 (with optical isolation)
SD card	-
Expansion	-
LED indicators	5 (power, Ethernet status)
Ratings	
Power supply	24 VDC (9 to 32 VDC)
Current Consumption	0,15A max. at 24 VDC
Input Protection	Electronic
Battery	Yes
Environment Conditions	
Operating Temp	-15°C to +55°C
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5 - 85% RH, non condensing
Protection Class	IP67
Dimensions and Weights	
Faceplate LxH	152x118 mm
Depth D	53 mm
Weight	280g
Approvals	
CE	EN 60945, EMC Emissions and Immunity for marine applications, Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
DNV-GL	Yes
RCM	Yes



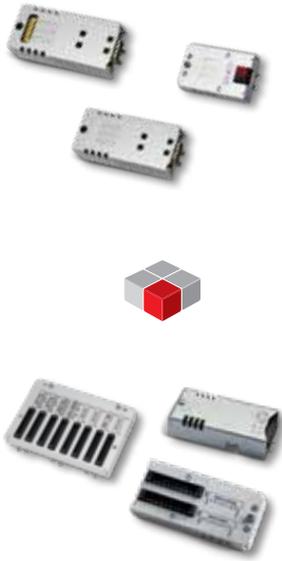
- 1 Power supply, serial port
- 2 USB port
- 3 CAN port
- 4 CAN port
- 5 Ethernet port 1 (10/100 Mb)
- 6 Ethernet port 2 (10/100 Mb)



订货说明

型号	货号	说明
eXware705	+EXW705U001	Ruggedized IoT controller and gateway, 2 Ethernet ports, 2 CAN ports, 2 serial ports, 1 USB port

附件



型号	货号	说明
PLCM01	+PLCM01U0P1	插入式模块 CAN
PLCM02	+PLCM02U001	插入式模块 KNX/EIB (TP 接口)
PLCM03	+PLCM03U0P1	插入式模块 RS-232
PLCM04	+PLCM04U0P1	插入式模块 RS-422/485 带光隔离
PLCM05	+PLCM05U0P2	插入式扩展器用于PLIO03/PLIO04 (仅用于 eX705)
PLCM06	+PLCM06U0P1	插入式模块 Profibus DP slave 12 MB
PLCM09	+PLCM09U0P1	插入式无线调制解调器
CODESYS V3 SoftPLC	+SWLC00R000000	CODESYS V3 激活的许可证
PLIO03	+PLIO03U0P1	I/O 模块 with 20 DI 24 VDC, 12 DO 24 VDC 0,5 A, 8 AI (4 diff or 8 single or 4 PT100 or 4 TC), 4 AO, 1 PT100 冷接
PLIO04	+PLIO04U0P1	I/O 模块 with 10 DI 24 VDC, 10 DO SSR 1,4 A, 4 可编程AI电压/PT100/TC, 4 AI 电压, 1 PT100
PLIO06	+PLIO06U0P1	紧凑型 I/O 模块. 8 DI, 6 DO, 1 继电器输出
PLIO07	+PLIO07U001	紧凑型 I/O 模块. 2 继电器输出

PLCM09 插入式无线调制解调器

PLCM09是一个紧凑且鲁棒性的插入式模块，专用于添加以太网连接性到基于eX700和eXware的系统中。



- 专用于eX700及eXware产品系列
- 兼容Corvina云安全服务
- 2G/3G 无线通信模块
- 广域网连接
- 支持GSM/GPRS/EDGE及UMTS/HSDPA/HSUPA蜂窝网
- 2数字输入/2数字输出 (SSR) 带光隔离
- 4 LED 指示灯 (模块和网络状态)
- 微型SIM插槽用户可访问
- 经由插入连接供电
- 插入式扩展接头

亮点

PLCM09是一个紧凑且鲁棒性的插入式模块，专用于添加以太网连接性到基于eX700和eXware的系统中。它是一个2G/3G无线调制解调器，支持GSM/GPRS/EDGE和UMTS/HSDPA/HSUPA蜂窝网络。

该设备与EXOR Corvina云安全服务操作兼容。

与Corvina云服务相结合，您可以轻松实现基本的 IIoT 功能，并建立VPN来保护对你设备的访问，流线连接到云服务。

移动



移动

你手中的安全移动式HMI

- 无线安全SIL2 (H4)认证
- JMobile集成
- 易于编程
- 惊人的设计/人体工学
- 多个集成按键
- 电位计
- 操纵轮
- 状态选择器
- 蓝牙安全 (H4)
- 附加的 Wi-Fi 连接性 (H4)
- 磁铁可悬挂设备于便利位置
- H3有长达20米的连接



概述

EXOR的手持式设备是您手中真正的HMI：功能强大且易于编程满足您的需求，它们始终是安全移动要求的最佳选择。

作为市场上的特殊领域，我们必须严格关注对使用手持设备所要遵守的安全法规。无线选项使很多主动性被强化：

- 在所有区域内有更高的安全性，没有吊线所造成的问题
- 受伤的风险更少
- 无断线停机时间
- 操作工更少的物理疲劳
- 提高操作者的注意力

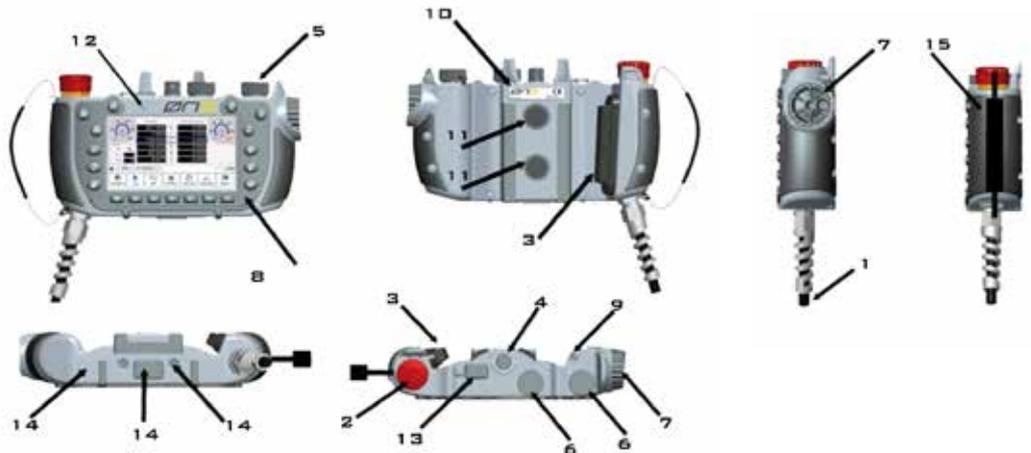
无线连接由唯一的电子按键提供，其允许多个手持 - 机器连接同时进行，无需担心连接性并且当然很安全。

H3 - 技术数据



System Resources	
Display - Colors	TFT LED - 64K
Resolution	480x272
Brightness	300 Cd/m ² typ.
Dimming	to 0%
Touchscreen	Resistive
CPU	ARM Cortex-A8 - 600 MHz
Operating System	Microsoft Windows CE 6.0
Flash	128 MB
RAM	256 MB
Real Time Clock, RTC Back-up	Yes
Handwheel	Yes (option)
Potentiometer	2
State Selector Switch	16 positions
Emergency stop	Yes, Hardwired
Enabling Switch	Hardwired, 3-positions
Interface	
Ethernet	10/100 Mbit (selected models)
USB port	1 Host V2.0
Serial	1 RS-232, RS-422, RS-485 (selected models)
Ratings	
Power supply (charging station)	24 Vdc (18 to 30 Vdc)
Current Consumption	0.25 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	+5 to +45°C
Storage Temp	-20 to +70°C
Operating / Storage Humidity	5-95% RH, non condensing
Protection Class	IP64
Dimensions and Weights	
Faceplate LxH	220x130 mm
Depth D+T	50 mm
Weight	Approx 0.8 Kg, (not including cable)
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508 (only +EP3H3REJ2H0YE2, +EP3H3REJ4H0YE2)
RCM	Yes

- 1 电缆
- 2 紧急停止按钮
- 3 授权设备
- 4 状态选择器
- 5 屏幕
- 6 电位计
- 7 操纵轮 (可选)
- 8 薄膜键盘
- 9 触摸屏笔
- 10 标签
- 11 固定磁铁
- 12 状态LED
- 13 橡胶碗用于USB
- 14 保护盖
- 15 手柄



订货说明

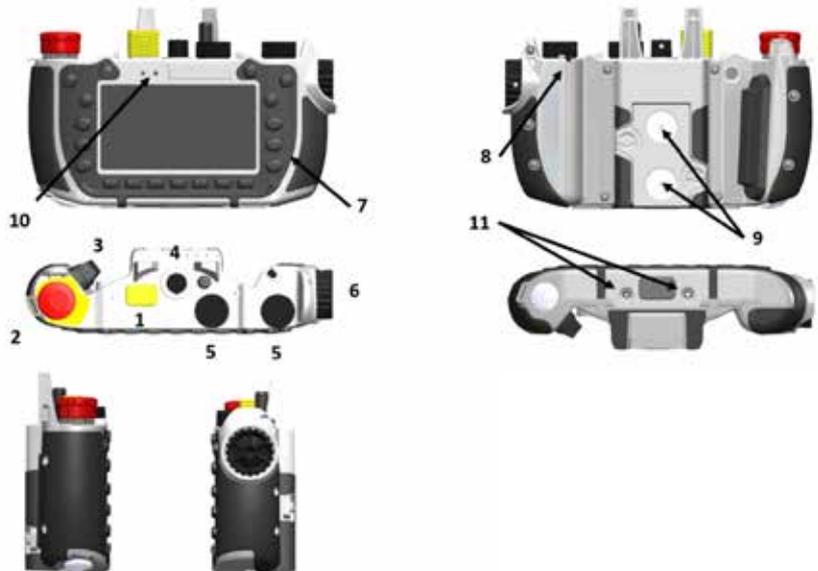
型号	货号	说明
H3	+EP3H3REJ200YE1	HMI H3 0N3 WIRED 10 m ETHERNET JM
H3	+EP3H3REJ400YE1	HMI H3 0N3 WIRED 20 m ETHERNET JM
H3	+EP3H3REJ2H0YE1	HMI H3 0N3 WIRED 10 m ETH+HANDWHEEL JM
H3	+EP3H3REJ4H0YE1	HMI H3 0N3 WIRED 20 m ETH+HANDWHEEL JM
H3	+EP3H3RSJ200YE1	HMI H3 0N3 WIRED 10 m SERIAL JM
H3	+EP3H3RSJ2H0YE1	HMI H3 0N3 WIRED 10 m SERIAL+HANDWHEEL JM
H3	+EP3H3REJ2H0YE2	HMI H3 0N3 10 m ETH+HANDWHEEL CIRCULAR CONNECTOR JM - UL APPROVAL
H3	+EP3H3REJ4H0YE2	HMI H3 0N3 20 m ETH+HANDWHEEL CIRCULAR CONNECTOR JM - UL APPROVAL
H3	+EP3H00000X0YA2	CONNECTION BOX H3 CIRCULAR CONNECTOR - UL APPROVAL
H3	+EP3H00000B0YA0	STANDBY STATION H3 - HOLDER FOR H3

H4 - 技术数据



System Resources	
Display - Colors	TFT LED - 64K
Resolution	480x272
Brightness	300 Cd/m ² typ.
Dimming	to 0%
Touchscreen	Resistive
CPU	ARM Cortex-A8 - 600 MHz
Operating System	Microsoft Windows CE 6.0
Flash	128 MB
RAM	256 MB
Real Time Clock, RTC Back-up	Yes
Handwheel	Yes
Potentiometer	2
State Selector Switch	16 positions
Emergency stop	Yes
Enabling Switch	3 positions
Interface	
Ethernet	Wi-Fi 802.11
USB port	1 Host V2.0
Bluetooth	Reserved for safety functions
Ratings	
Power supply (charging station)	24 Vdc (18 to 30 Vdc)
Current Consumption	0.25 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	+5 to +45°C
Storage Temp	-20 to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP64
Dimensions and Weights	
Faceplate LxH	220x144 mm
Depth D+T	63 mm
Weight	Approx 0.8 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
Safety	2006/42/EC, EN ISO 13849-1:2008, EN 62061 :2005/A1:2013, EN 60204-1:2006/A1:2009
Safety functions	Emergency Stop cat 3, PL d / SIL 2 Enabling cat 3, PL d / SIL 2 State selector, cat 1, PL c / SIL 1
UL	cULus: UL508

- 1 令牌插座
- 2 停止按钮
- 3 授权设备
- 4 状态选择器
- 5 电位计
- 6 操纵轮
- 7 薄膜键盘
- 8 触摸屏笔
- 9 固定磁铁
- 10 状态LED
- 11 电池充电触点



订货说明

型号	货号	说明
H4	+EP4H4SWJ0H0YE0	HMI H4 0N3 WIRELESS JM
H4	+EP4H00000A0YA0	ANTENNA + COUPLING TOKEN
H4	+EP4H00000R0YA0	RECHARGING STATION H4
H4	+EP4H00005C0YA0	CIS H4

垂直: 食品与饮料/药品



食品与饮料/药品系列

先进的 IP69

- 广泛的保证尽管无保护壳
- 易于清洁
- 真实的 IP69 保护等级
- 聚酯涂层的玻璃强度
- 高压 80°C 防水
- 完美的不锈钢边框设计
- 耐酸碱
- 符合食品标准的垫片
- 前面板和垫片准则：
 1. DIN EN1672-2
 2. EHEDG / FDA 21 CFR 177.2006



概述

如果严格的法规要求食品的处理、制备、加工和包装必须非常卫生，那么 Exor 出色的 7 英寸和 15 英寸食品与饮料 HMI 是制造商和最终消费者的最佳选择。

没有其它公司能够提供此类专业解决方案来解决食品与饮料行业，尤其是肉类加工行业所面临的日常问题。

食品、饮料与制药行业与工业界有着截然不同的环境。尽管生产设施的设置可能看起来很相似，但是还有一系列立法要求和准则，这些要求和准则要复杂得多。

EXOR 对其非常成功的 eTOP500 系列和 eX700 系列进行了调整，以应对这些挑战。EXOR 修改了面板的许多地方，以符合 CEIEN 60529 准则，并以令人难以置信的高度关注于消除食品、油脂和产品粉末颗粒的积聚。

坚固的不锈钢前面有非常高的光洁度让粉末从表面上流掉。其结构有优化的与机器表面的接触接角度，使清洁的液体冲走并且也不允许细菌或微生物存留。

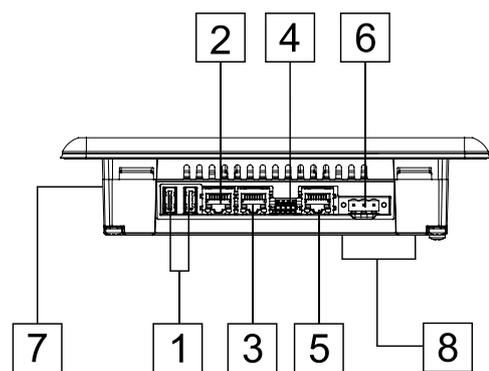
所有这些措施以及更多，意味着 EXOR 能够以 IP69 的高防护前面板等级提供这样的产品：抵抗强腐蚀性清洁剂以及抵抗在高压和高温下的频繁洗涤。

您不再需要像通常看到的那样将面板安装在昂贵的机柜中。食品、制药和化学工业或任何地方，以及可能需要此系列 HMI 的行业对卫生的高度关注是声誉风险的要求。

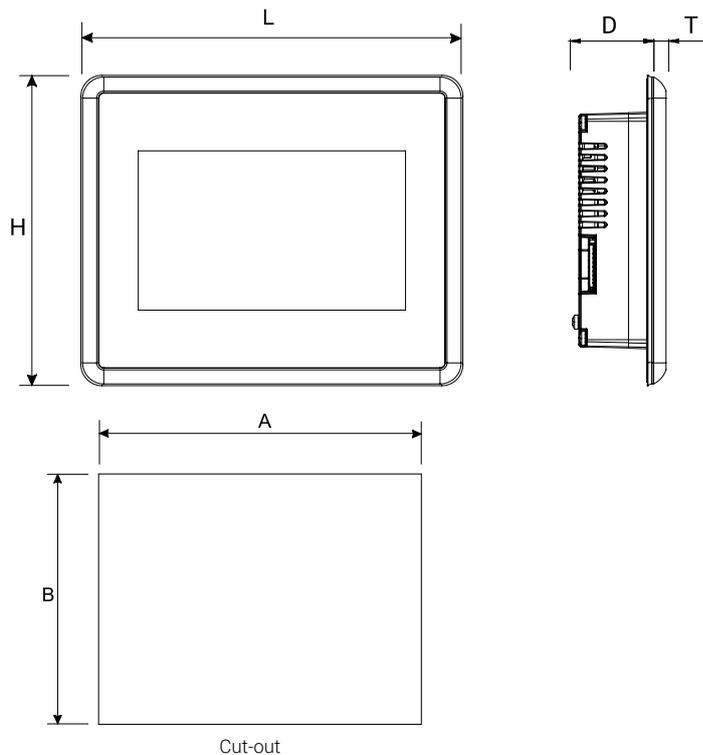
eX707FB - 技术数据



System Resources	
Display - Colors	7" TFT 16:9 LED - 16M
Resolution	800x480, WVGA
Brightness	500 Cd/m ² typ.
Dimming	to 0%
Touchscreen	Projected Capacitive, Multitouch
CPU	ARM Cortex-A9 dual core 800 MHz
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.7 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP69 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	217x177 mm (8.54x6.96")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	45+10 mm (1.77+0.4")
Weight	2.5 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL61010-1 / UL61010-2-201
RCM	Yes



- 1 USB 端口 1 和 2
- 2 Ethernet 端口 2 (10/100 Mb)
- 3 Ethernet 端口 1 (10/100 Mb)
- 4 串口
- 5 Ethernet 端口 0 (10/100/1000 Mb)
- 6 供电
- 7 SD卡插槽
- 8 2 扩展插槽用于插入式模块



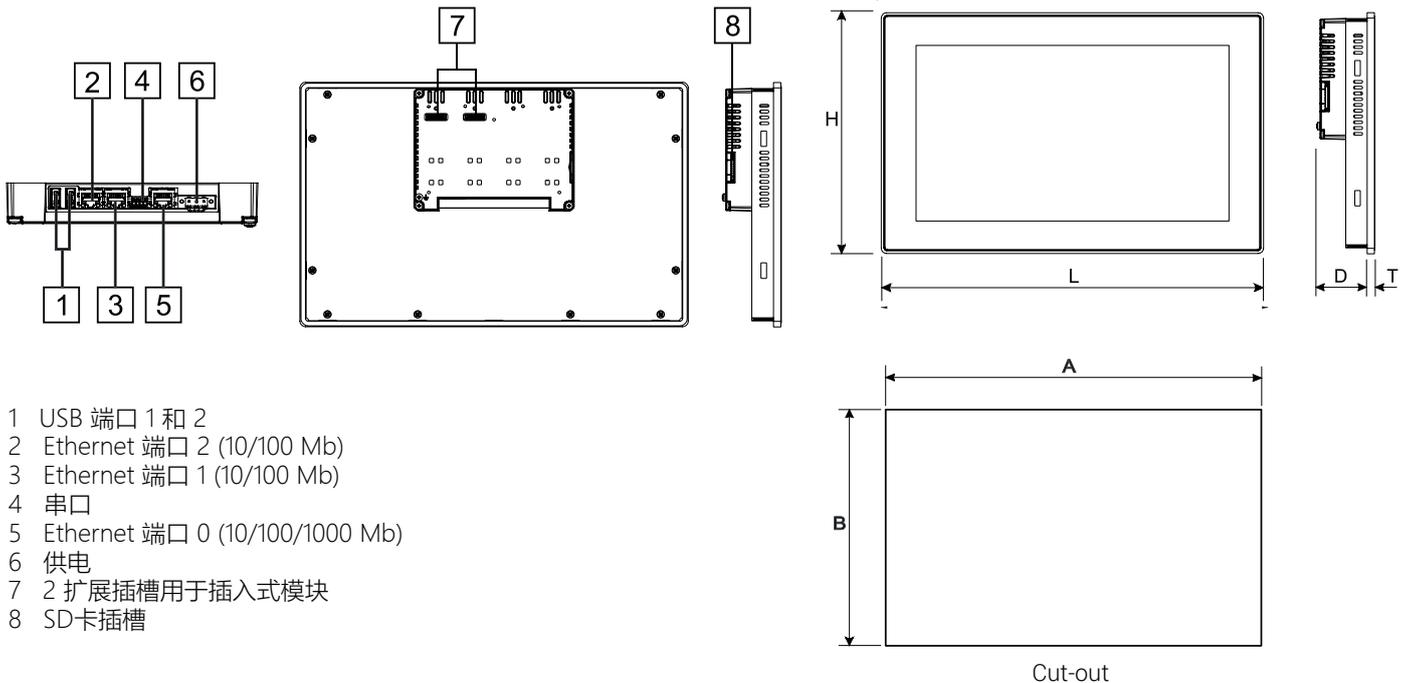
订货说明

型号	货号	说明
eX707FB	+EX707U4F1	7" widescreen TFT color projected capacitive touchscreen. Stainless steel bezel. Ethernet and USB interfaces. JMobile runtime. Blue front panel

eX715FB - 技术数据



System Resources	
Display - Colors	15,6" TFT LED - 16M
Resolution	1366x768, HD
Brightness	400 Cd/m ² typ.
Dimming	to 0%
Touchscreen	Projected Capacitive, Multitouch
CPU	ARM Cortex-A9 quad core 800 MHz
Operating System	Linux RT
Flash	8 GB
RAM	2 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.2 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-30°C to +80°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP69 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	450x295mm
Cutout AxB	411x256 mm (16.18x10")
Depth D+T	56+8 mm (2.20+0.33")
Weight	5.2 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL61010-1 / UL61010-2-201
RCM	Yes



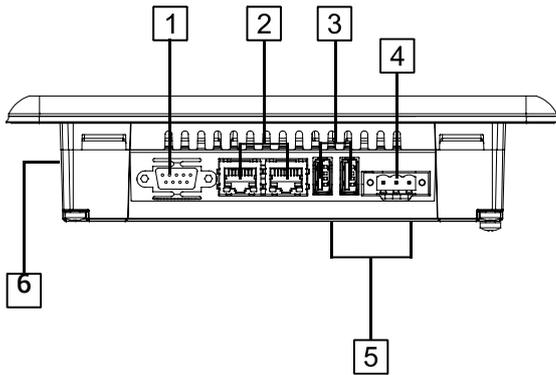
订货说明

型号	货号	说明
eX715FB	+EX715U4F1	15" widescreen TFT color projected capacitive touchscreen. Stainless steel bezel. Ethernet and USB interfaces. JMobile runtime. Blue front panel

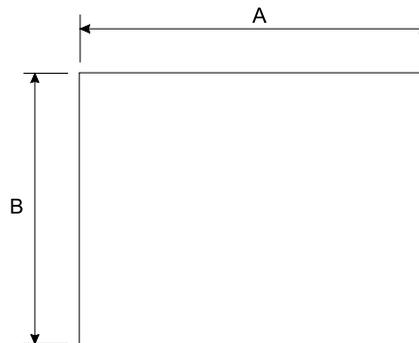
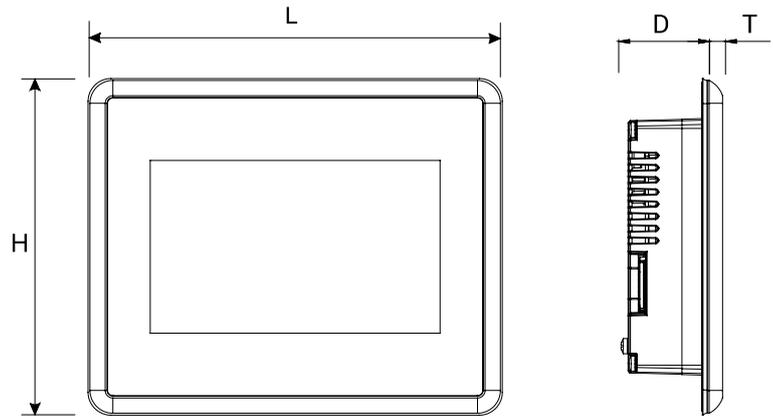
eTOP507MFB - 技术数据



System Resources	
Display - Colors	7" TFT 16:9 LED - 64K
Resolution	800x480, WVGA
Brightness	400 Cd/m ² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive
CPU	ARM Cortex-A8 - 1 GHz
Operating System	Microsoft Windows CE 6.0
Flash	256 MB
RAM	256 MB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable)
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.9 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C
Storage Temp	-40 to +85 °C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP69 (front), IP20 (rear) Type: 4X
Dimensions and Weights	
Faceplate LxH	217x177 mm (8.54x6.96")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	45+10 mm (1.77+0.4")
Weight	2.5 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508
RCM	Yes



- 1 串口
- 2 2x Ethernet 端口
- 3 2x USB 端口
- 4 供电
- 5 2x 扩展插槽用于插入式模块
- 6 SD卡插槽用于可拆卸卡

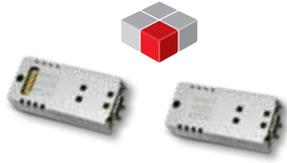


Cut-out

订货说明

型号	货号	说明
eTOP507MFB	+ETOP507MU1F1	7" widescreen TFT color projected capacitive touchscreen. Stainless steel bezel. White front panel.
eTOP507MFB	+ETOP507MU4F1	7" widescreen TFT color projected capacitive touchscreen. Stainless steel bezel. Blue front panel.

附件



型号	货号	说明
PLCM01 PLCM02 PLCM03 PLCM04 PLCM06 PLCM07	+PLCM01U0P1 +PLCM02U001 +PLCM03U0P1 +PLCM04U0P1 +PLCM06U0P1 +PLCM07U0P1	插入式模块 CAN 插入式模块 KNX/EIB (TP 接口) 插入式模块 RS-232 插入式模块 RS-422/485 带光隔离 插入式模块 Profibus DP slave 12 MB 插入式安全云连接器
CODESYS V3 SoftPLC PLCM01-CDS PLCM02-CDS PLCM05-CDS	+SWLC00R000000 +PLCM01U0P2 +PLCM02U002 +PLCM05U0P1	CODESYS V3 激活的许可证 插入式模块 CAN + CODESYS V2 插入式模块 KNX/EIB (TP 接口) + CODESYS V2 插入式模块 CODESYS V2
PLI003 PLI004 PLI006 PLI007	+PLI003U0P1 +PLI004U0P1 +PLI006U0P1 +PLI007U001	I/O 模块 with 20 DI 24 VDC, 12 DO 24 VDC 0,5 A, 8 AI (4 diff or 8 single or 4 PT100 or 4 TC), 4 AO, 1 PT100 冷接 I/O 模块 with 10 DI 24 VDC, 10 DO SSR 1.4 A, 4 可编程AI电压/PT100/TC, 4 AI 电压, 1 PT100 紧凑 I/O 模块. 8 DI, 6 DO, 1 继电器输出 紧凑 I/O 模块. 2 继电器输出

垂直: 严酷环境



严酷环境HMI系列

极端条件下的首选!

- 实践验证的长期可靠性
- 智能显示器在大太阳下可读
- PCAP触摸屏
- 全金属外壳
- 涂层板保护
- 扩展的工作温度
- 模块设计插件用于现场总线和网络
- 可选CODESYS集成PLC
- DNV-GL, IECEX, ATEX
- cULus, cULus Haz. Loc.



概述

eTOP500 Glass具有同类HMI领先的性能等级，已成为极端条件的首选。

现在增加了功能强大的 eX700 Glass 系列的严酷环境版本，IIoT 的好处是能够应用于即使最恶劣或遥远的地方。

从2011年起，EXOR的严酷环境人机界面 (HMI) 已经用于我们客户的环境中，不只是设备的使用环境严酷，而且对于操作员而言它的可靠性工作也是至关重要的。

eTOP500 Glass已经能够面对这种挑战，利用它的同类领先的性能等级，它已经成为极端条件下的首选HMI。

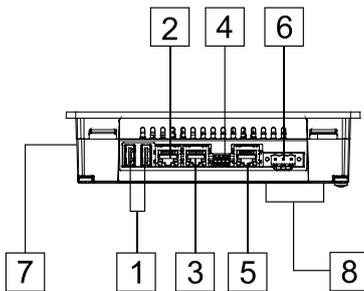
现在增加了功能强大的 eX700 Glass 系列的严酷环境版本，IIoT 的好处是能够应用于即使最恶劣或遥远的地方。

该系列产品组合了坚固的设计和使用JMobile软件，其使HMI的操作非常容易：重点是在环境困难时。经由模块实现连接到各种的网络和协议，有助于在现有的架构中实施这些HMI。

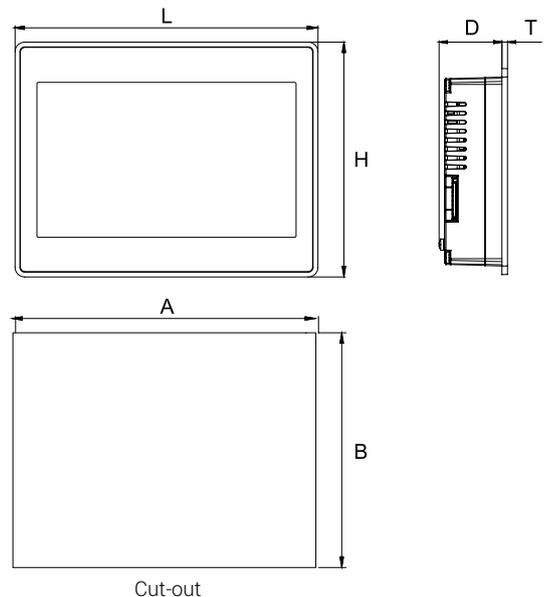
eX707G - 技术数据



System Resources	
Display - Colors	7" TFT 16:9 LED - 16M
Resolution	800x480, WVGA
Brightness	600 Cd/m ² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	ARM Cortex-A9 dual core 800 MHz
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.7 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	187x147 mm (7.36x5.79")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	47+8 mm (1.85+0.31")
Weight	1.5 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments, Emission EN 60945, Immunity EN 60945 for marine environments
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class I Div. 2
IECEX	Zone 2/22: Ex nA IIC T5 Gc, Ex tc IIIC T95°C Dc
ATEX	Zone 2/22: II 3 G Ex nA IIC T5 Gc II 3 D Ex tc IIIC T95°C Dc
DNV-GL	Yes
EU RO MR	Yes
RCM	Yes



- 1 USB 端口 1 和 2
- 2 Ethernet 端口 2 (10/100 Mb)
- 3 Ethernet 端口 1 (10/100 Mb)
- 4 串口
- 5 Ethernet 端口 0 (10/100/1000 Mb)
- 6 供电
- 7 SD 卡插槽
- 8 2 扩展插槽用于插入式模块



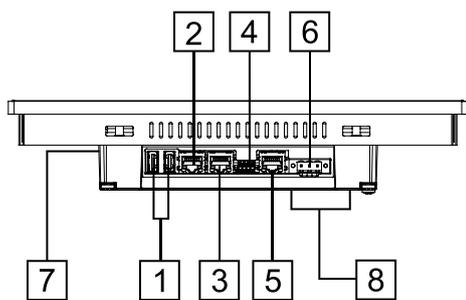
订货说明

型号	货号	说明
eX707G	+EX707GU5P1	7" widescreen TFT color with multitouch projected capacitive touchscreen. 3 Ethernet ports, 1 serial port, 2 USB ports. JMobile runtime.

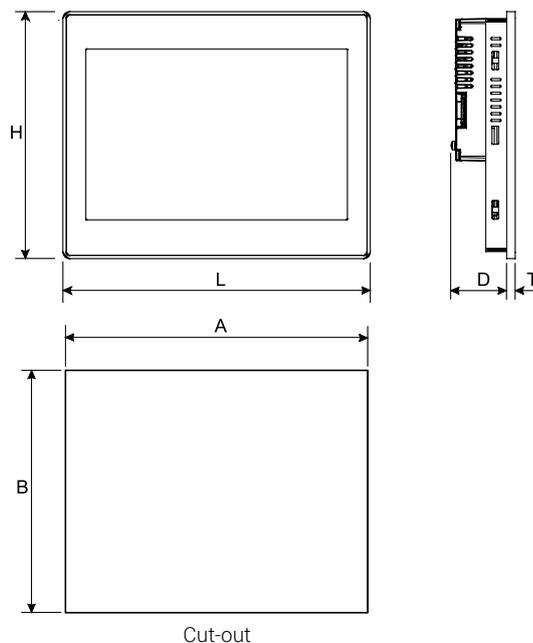
eX710G - 技术数据



System Resources	
Display - Colors	10.1" TFT 16:9 LED - 16M
Resolution	1280x800, WXGA
Brightness	800 Cd/m ² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	ARM Cortex-A9 dual core 800 MHz
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.0 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	282x197 mm (11.10x7.80")
Cutout AxB	271x186 mm (10.67x7.32")
Depth D+T	56+8 mm (2.20+0.33")
Weight	2.5 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments, Emission EN 60945, Immunity EN 60945 for marine environments
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class I Div. 2
IECEX	Zone 2/22: Ex nA IIC T5 Gc, Ex tc IIIC T95°C Dc Zone 2/22: II 3 G Ex nA IIC T5 Gc
ATEX	II 3 D Ex tc IIIC T95°C Dc
DNV-GL	Yes
RCM	Yes



- 1 USB 端口 1 和 2
- 2 Ethernet 端口 2 (10/100 Mb)
- 3 Ethernet 端口 1 (10/100 Mb)
- 4 串口
- 5 Ethernet 端口 0 (10/100/1000 Mb)
- 6 供电
- 7 SD 卡插槽
- 8 2 扩展插槽用于插入式模块



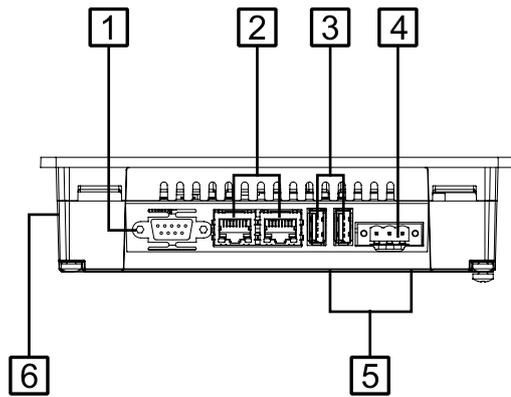
订货说明

型号	货号	说明
eX710G	+EX710GU5P1	10.1" widescreen TFT color with multitouch projected capacitive touchscreen. 3 Ethernet ports, 1 serial port, 2 USB ports. JMobile runtime.

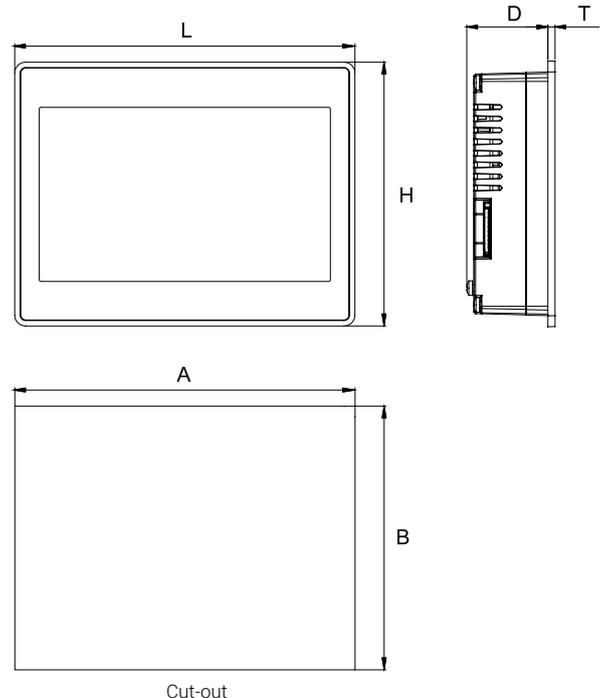
eTOP507G - 技术数据



System Resources	
Display - Colors	7" TFT 16:9 LED - 64K
Resolution	800x480, WVGA
Brightness	400 Cd/m ² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive
CPU	ARM Cortex-A8 - 600 MHz
Operating System	Microsoft Windows CE 6.0
Flash	128 MB
RAM	256 MB
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	2 (port 1 - Host V2.0, port 2 - Host V2.0/1.1)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.8 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20 to +60 °C (vertical installation)
Storage Temp	-40 to +85 °C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP69K (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	187x147 mm (7.36x5.79")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	47+8 mm (1.85+0.31")
Weight	Approx 1.0 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508
UL	cULus: Class I Div. 2
IECEX	Zone 2/22: Ex nA IIC T4 Gc -20<Tamb<+60°C, Ex tc IIIC T105°C Dc
ATEX	Zone 2/22: II 3G Ex nA IIC T4 Gc -20<Tamb<+60°C II 3D Ex tc IIIC T105°C Dc
DNV-GL	Yes
RCM	Yes



- 1 串口
- 2 2x Ethernet 端口
- 3 2xUSB 端口
- 4 供电
- 5 2x 扩展插槽用于插入式模块
- 6 SD 卡插槽



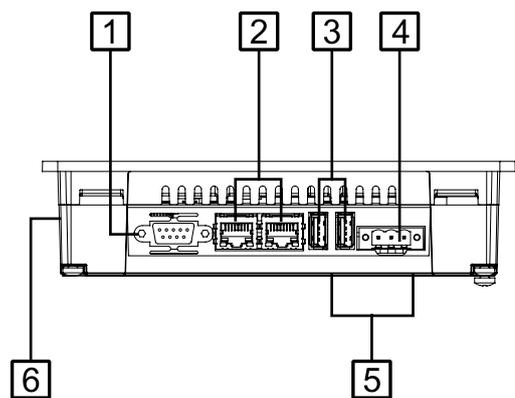
订货说明

型号	货号	说明
eTOP507G	+ETOP507U5P1	7" widescreen TFT color projected capacitive touchscreen with Ethernet and USB interfaces. JMobile runtime.

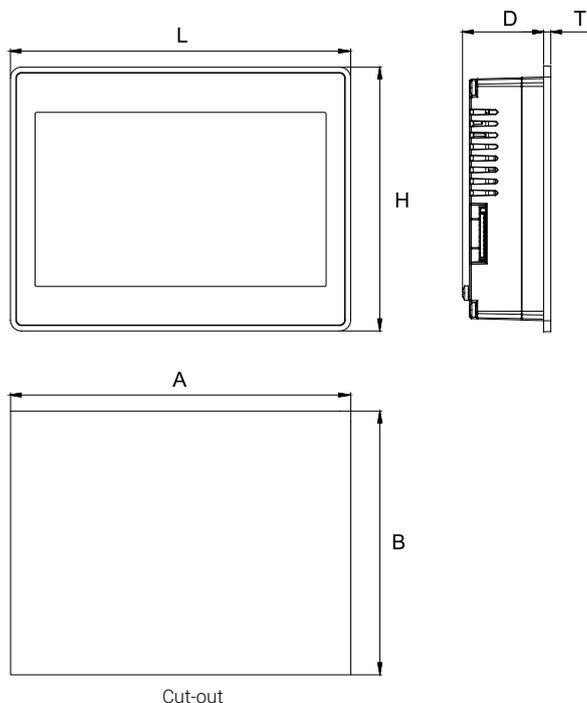
eTOP507MG - 技术数据



System Resources	
Display - Colors	7" TFT 16:9 LED - 64K
Resolution	800x480, WVGA
Brightness	400 Cd/m ² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive
CPU	ARM Cortex-A8 - 1 GHz
Operating System	Microsoft Windows CE 6.0
Flash	256 MB
RAM	256 MB
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	2 (port 1 - Host V2.0, port 2 - Host V2.0/1.1)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.9 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20 to +60 °C (vertical installation)
Storage Temp	-40 to +85 °C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP69K (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	187x147 mm (7.36x5.79")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	47+8 mm (1.85+0.31")
Weight	Approx 1.0 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508
UL	cULus: Class I Div. 2
IECEX	Zone 2/22: Ex nA IIC T4 Gc -20<Tamb<+60°C, Ex to IIIC T105°C Dc
ATEX	Zone 2/22: II 3G Ex nA IIC T4 Gc -20<Tamb<+60°C II 3D Ex to IIIC T105°C Dc
DNV-GL	Yes
RCM	Yes



- 1 串口
- 2 2x Ethernet 端口
- 3 2x USB 端口
- 4 供电
- 5 2x 扩展插槽用于插入式模块
- 6 SD 卡插槽用于可拆卸卡



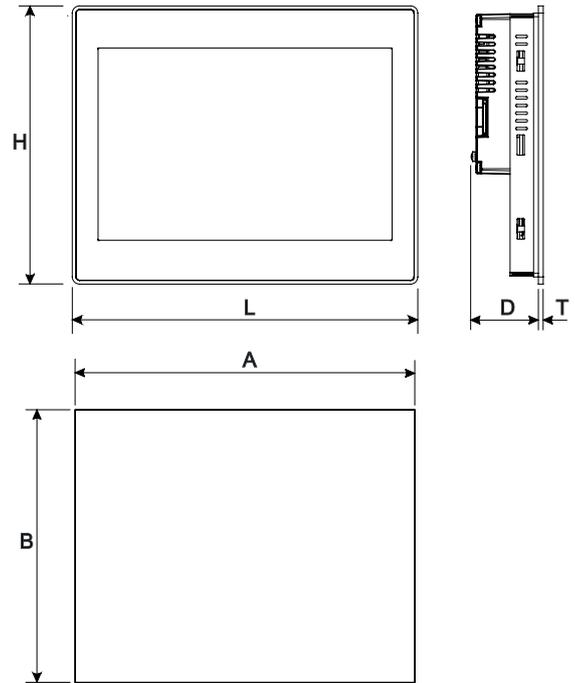
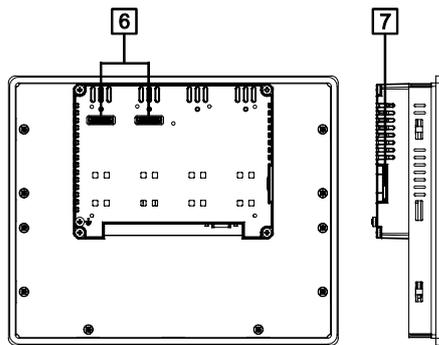
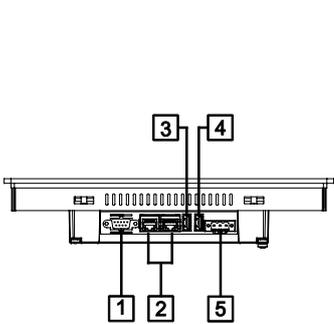
订货说明

型号	货号	说明
eTOP507MG	+ETOP507MU5P1	7" widescreen TFT color projected capacitive touchscreen with Ethernet and USB interfaces. JMobile runtime.

eTOP510G - 技术数据



System Resources	
Display - Colors	10.1" TFT 16:9 LED - 64K
Resolution	1280x800, WXGA
Brightness	600 Cd/m ² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive
CPU	ARM Cortex-A8 - 1 GHz
Operating System	Microsoft Windows CE 6.0
Flash	256 MB
RAM	256 MB
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	2 (port 1 - Host V2.0, port 2 - Host V2.0/1.1)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.0 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20 to +60 °C (vertical installation)
Storage Temp	-20 to +70 °C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP69K (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	282x197 mm (11.10x7.80")
Cutout AxB	271x186 mm (10.67x7.32")
Depth D+T	52+8 mm (2.20+0.33")
Weight	Approx 2.7 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508
UL	cULus: Class I Div. 2
IECEX	Zone 2/22: Ex nA IIC T4 Gc -20<Tamb<+60°C, Ex tc IIIC T105°C Dc Zone 2/22: II 3G Ex nA IIC T4 Gc -20<Tamb<+60°C
ATEX	II 3D Ex tc IIIC T105°C Dc
DNV-GL	Yes
RCM	Yes



Cut-out

- 1 串口
- 2 2x Ethernet 端口
- 3 USB 端口 (版本 2.0 - 1.1)
- 4 USB 端口 (版本 2.0 仅高速)
- 5 供电
- 6 2x 扩展插槽用于插入式模块
- 7 SD 卡插槽

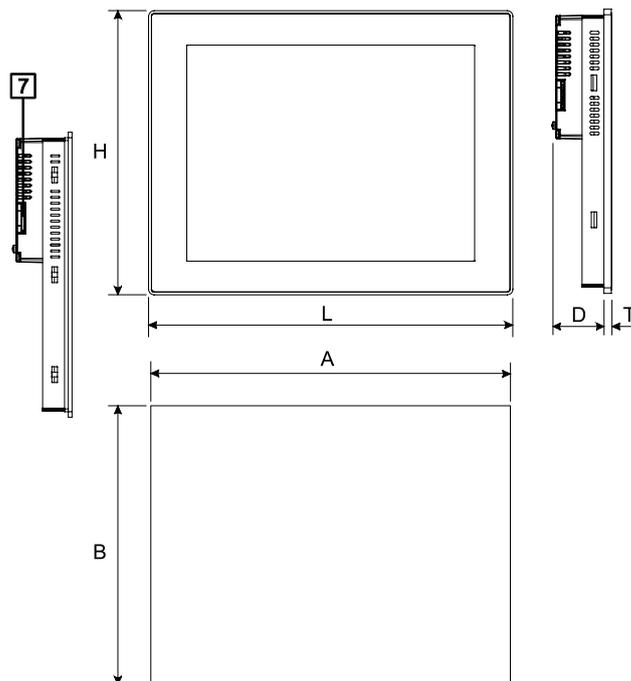
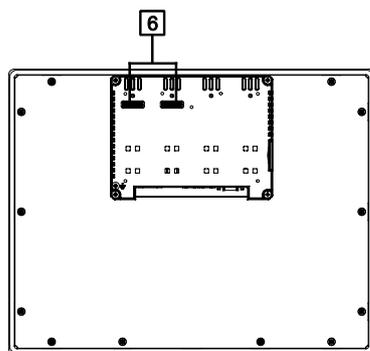
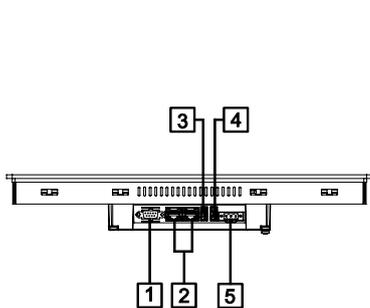
订货说明

型号	货号	说明
eTOP510G	+ETOP510U5P1	10.1" widescreen TFT color with projected capacitive touchscreen. Ethernet and USB interfaces. JMobile runtime.

eTOP515G - 技术数据



System Resources	
Display - Colors	15" TFT LED - 64K
Resolution	1024x768, XGA
Brightness	1500 Cd/m ² typ
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive
CPU	ARM Cortex-A8 - 1 GHz
Operating System	Microsoft Windows CE 6.0
Flash	256 MB
RAM	256 MB
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	2 (port 1 - Host V2.0, port 2 - Host V2.0/1.1)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.4 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20 to +60 °C (vertical installation)
Storage Temp	-40 to +85 °C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP69K (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	392x307 mm (15.43x12.08")
Cutout AxB	381x296 mm (15x11.65")
Depth D+T	56+8.5 mm (2.20+0.33")
Weight	Approx 4.0 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508
UL	cULus: Class I Div. 2
IECEX	Zone 2/22: Ex nA IIC T4 Gc -20<Tamb<+60°C, Ex tc IIIC T105°C Dc
ATEX	Zone 2/22: II 3G Ex nA IIC T4 Gc -20<Tamb<+60°C II 3D Ex tc IIIC T105°C Dc
DNV-GL	Yes
RCM	Yes



Cut-out

- 1 串口
- 2 2x Ethernet 端口
- 3 2x USB 端口
- 4 供电
- 5 2x 扩展插槽用于插入式模块
- 6 2x 插入式插槽
- 7 SD 卡插槽用于可拆卸卡

订货说明

型号	货号	说明
eTOP515G	+ETOP515U5P1	15" widescreen TFT color projected capacitive touchscreen with Ethernet and USB interfaces. JMobile runtime.

附件



型号	货号	说明
PLCM01 PLCM02 PLCM03 PLCM04 PLCM06 PLCM07	+PLCM01U0P1 +PLCM02U001 +PLCM03U0P1 +PLCM04U0P1 +PLCM06U0P1 +PLCM07U0P1	插入式模块 CAN 插入式模块 KNX/EIB (TP 接口) 插入式模块 RS-232 插入式模块 RS-422/485 带光隔离 插入式模块 Profibus DP slave 12 MB 插入式安全云连接器
CODESYS V3 SoftPLC PLCM01-CDS PLCM02-CDS PLCM05-CDS	+SWLC00R000000 +PLCM01U0P2 +PLCM02U002 +PLCM05U0P1	CODESYS V3 激活的许可证 插入式模块 CAN + CODESYS V2 插入式模块 KNX/EIB (TP 接口) + CODESYS V2 插入式模块 CODESYS V2
PLIO03 PLIO04 PLIO06 PLIO07	+PLIO03U0P1 +PLIO04U0P1 +PLIO06U0P1 +PLIO07U001	I/O 模块 with 20 DI 24 VDC, 12 DO 24 VDC 0,5 A, 8 AI (4 diff or 8 single or 4 PT100 or 4 TC), 4 AO, 1 PT100 冷接 I/O 模块 with 10 DI 24 VDC, 10 DO SSR 1.4 A, 4 可编程AI电压/PT100/TC, 4 AI 电压, 1 PT100 紧凑 I/O 模块. 8 DI, 6 DO, 1 继电器输出 紧凑 I/O 模块. 2 继电器输出

入门级

入门级 - eSMART系列

精简基本功力

当EXOR在2015年首次将eSMART系列推向市场时，我们一直想要重新思考经济型HMI领域。

随着材料工程和设计的进步，我们发现没有理由说经济型HMI领域必须采用如此低水平的技术并且尤其是美学。

我们的信念和持续的工程投资现已通过世界各地组织的最严格认证。

现在，世界上没有低成本的HMI产品能够提供一系列功能和证书，从而极大地打开了可能的应用范围和垂直行业范围。



- JMobile可编程
- 浏览器编程小工具
- Chromium网站浏览器
- OS Linux RT
- 硬件和软件优化实现超快操作
- 支持HTML5和JS
- 电阻触摸屏

- 大功率CPU
- 高存储器资源
- 扩展电压范围10-32 VDC
- OPC UA服务器和客户端
- 大量的协议库
- 超级鲁棒性设计

概述

eSMART产品系列将X平台内功能强大的JMobile软件与杰出的鲁棒性设计组合在一起。

考虑到非常具体的应用，我们将eSMART简化为仅有基本组件，并创造了真正一流的领先产品。

精简并不意味着产品没有鲁棒性。实际上，它对设备的前端维持了IP66的防护等级，并通过了全球低成本领域所不具备的认证，可在最危险的环境中使用。

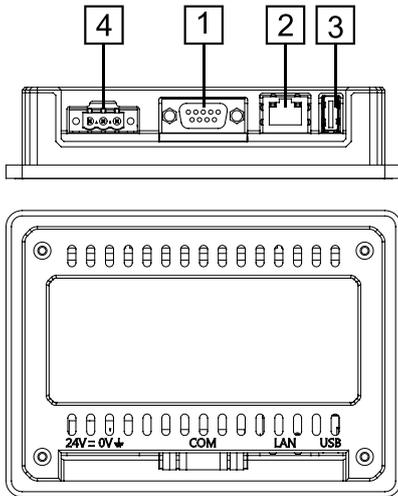
精简并不意味着廉价又丑陋的产品。eSMART产品系列无疑是同类产品中最优雅的。没有其他全塑外壳产品能够达到eSMART的质量。

精简并不意味着减少高级功能。尽管显示屏并未达到eX700产品系列令人难以置信的现实水平，但JMobile独有的连接能力 (X平台内的软件) 使eSMART能够与大量的关键协议库以及OPC UA标准和pub /sub服务器和客户端进行通讯。

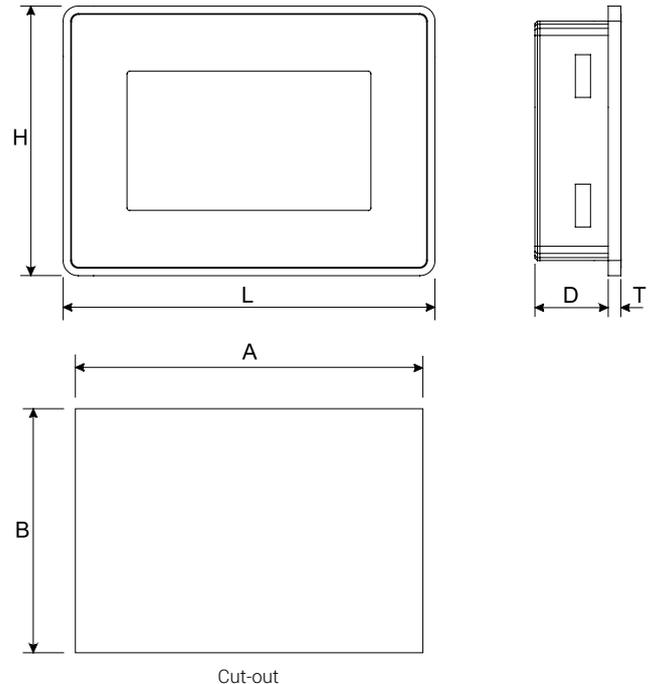
eSMART04 - 技术数据



System Resources	
Display - Colors	4.3" TFT 16:9 - 64K
Resolution	480x272
Brightness	200 Cd/m ² typ.
Dimming	Yes
Touchscreen	Resistive
CPU	ARM Cortex-A8 - 300 MHz
Operating System	Linux 3.12
Flash	2 GB
RAM	256 MB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	1 (port 0 - 10/100)
USB port	1 (Host v. 2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable)
SD card	No
Expansion	No
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.25 A max. at 24 Vdc
Input Protection	Automatic
Battery	Yes (Supercapacitor)
Environment Conditions	
Operating Temp	0 to 50 °C (vertical installation)
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 2, 4X
Dimensions and Weights	
Faceplate LxH	147x107 mm (5.78x4.21")
Cutout AxB	136x96 mm (5.35x3.78")
Depth D+T	29+5 mm (1.14+0.19")
Weight	Approx 0.4 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments
UL	cULus: UL508
UL	cULus: Class 1 Div 2
ATEX	Zone 2: II 3 G Ex ic ec IIC T6 Gc
DNV-GL	Yes
EU RO MR	Yes
RCM	Yes



- 1 串口
- 2 Ethernet Port
- 3 USB port (版本2.0 - 1.1)
- 4 供电



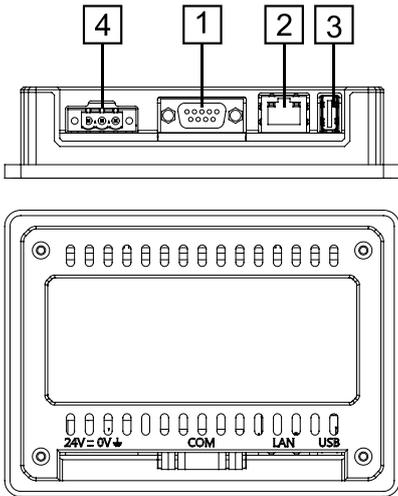
订货说明

型号	货号	说明
eSMART04	+ESMA04U301	4" widescreen TFT color touchscreen with Ethernet and USB interfaces. JMobile runtime

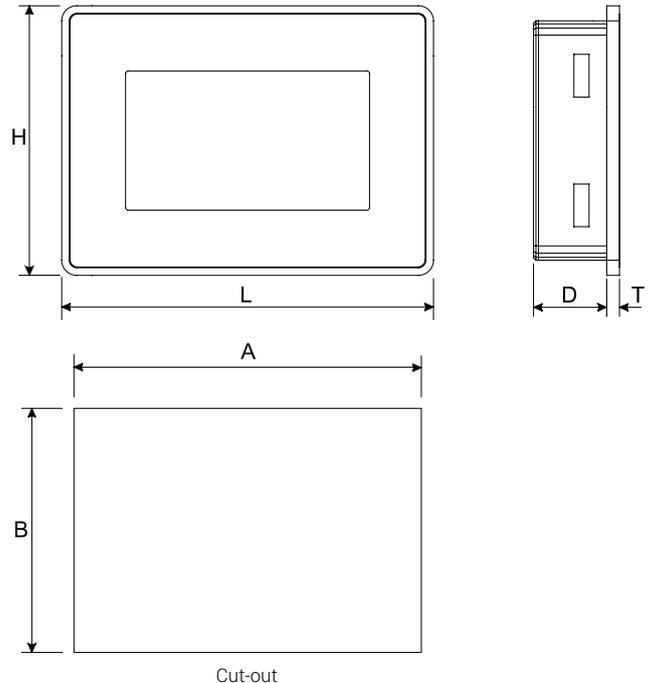
eSMART04M - 技术数据



System Resources	
Display - Colors	4.3" TFT 16:9 - 64K
Resolution	480x272
Brightness	200 Cd/m ² typ.
Dimming	Yes
Touchscreen	Resistive
CPU	ARM Cortex A8 1 GHz
Operating System	Linux 3.12
Flash	4 GB
RAM	512 MB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	1 (port 0 - 10/100)
USB port	1 (Host v. 2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable)
SD card	No
Expansion	No
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.25 A max. at 24 Vdc
Input Protection	Automatic
Battery	Yes (Supercapacitor)
Environment Conditions	
Operating Temp	0 to 50 °C (vertical installation)
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 2, 4X
Dimensions and Weights	
Faceplate LxH	147x107 mm (5.78x4.21")
Cutout AxB	136x96 mm (5.35x3.78")
Depth D+T	29+5 mm (1.14+0.19")
Weight	Approx 0.4 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments
UL	cULus: UL508
UL	cULus: Class 1 Div 2
ATEX	Zone 2: II 3 G Ex ic ec IIC T6 Gc
DNV-GL	Yes
EU RO MR	Yes
RCM	Yes



- 1 串口
- 2 Ethernet Port
- 3 USB port (版本2.0 - 1.1)
- 4 供电



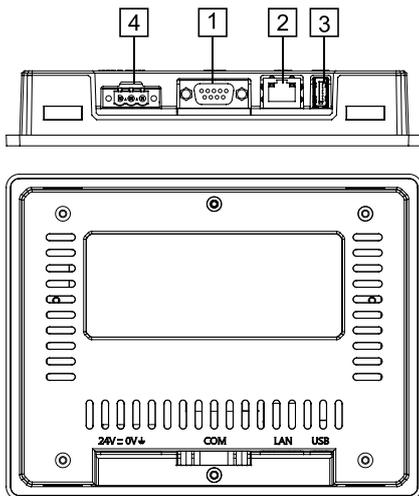
订货说明

型号	货号	说明
eSMART04M	+ESMA04MU301	4" widescreen TFT color touchscreen with Ethernet and USB interfaces. JMobile runtime

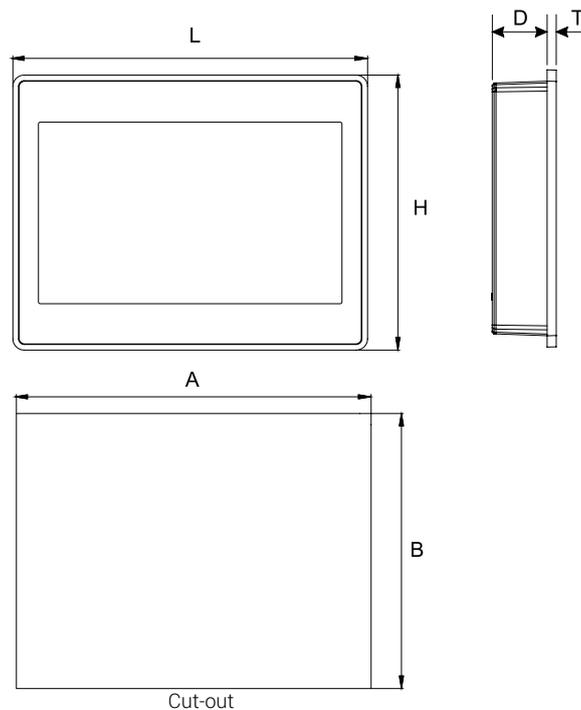
eSMART07M - 技术数据



System Resources	
Display - Colors	7" TFT 16:9 - 64K
Resolution	800x480, WVGA
Brightness	200 Cd/m ² typ.
Dimming	Yes
Touchscreen	Resistive
CPU	ARM Cortex-A8 - 1 GHz
Operating System	Linux 3.12
Flash	4 GB
RAM	512 MB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	1 (port 0 - 10/100)
USB port	1 (Host v. 2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable)
SD card	No
Expansion	No
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.3 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Yes (Supercapacitor)
Environment Conditions	
Operating Temp	0 to 50 °C (vertical installation)
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 2, 4X
Dimensions and Weights	
Faceplate LxH	187x147 mm (7.36x5.79")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	29+5 mm (1.14+0.19")
Weight	Approx 0.6 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments
UL	cULus: UL508
UL	cULus: Class 1 Div 2
ATEX	Zone 2: II 3 G Ex ic ec IIC T6 Gc
DNV-GL	Yes
EU RO MR	Yes
RCM	Yes



- 1 串口
- 2 Ethernet Port
- 3 USB port (版本2.0 - 1.1)
- 4 供电



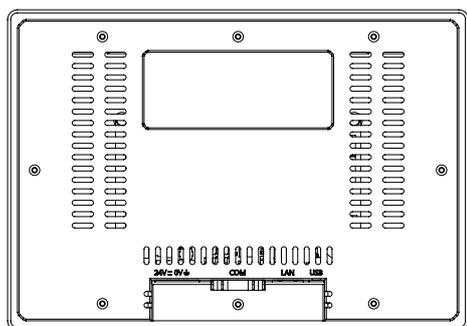
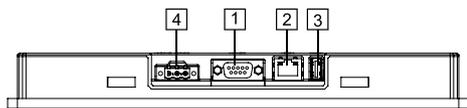
订货说明

型号	货号	说明
eSMART07M	+ESMA07MU301	7" widescreen TFT color touchscreen with Ethernet and USB interfaces. JMobile runtime

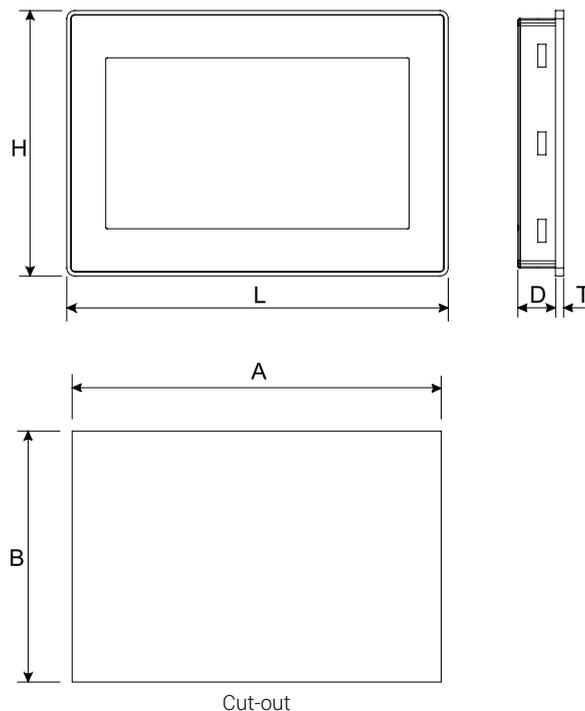
eSMART10 - 技术数据



System Resources	
Display - Colors	10.1" TFT 16:9 - 64K
Resolution	1024x600, WVGA
Brightness	200 Cd/m ² typ.
Dimming	Yes
Touchscreen	Resistive
CPU	ARM Cortex-A8 - 1 GHz
Operating System	Linux 3.12
Flash	4 GB
RAM	512 MB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	1 (port 0 - 10/100)
USB port	1 (Host v. 2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable)
SD card	No
Expansion	No
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.38 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Yes (Supercapacitor)
Environment Conditions	
Operating Temp	0 to 50 °C (vertical installation)
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 2, 4X
Dimensions and Weights	
Faceplate LxH	282x197 mm (11.10x7.80")
Cutout AxB	271x186 mm (10.66x7.32")
Depth D+T	29+6 mm (1.14+0.23")
Weight	Approx 1.0 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments
UL	cULus: UL508
UL	cULus: Class 1 Div 2
ATEX	Zone 2: II 3 G Ex ic ec IIC T6 Gc
DNV-GL	Yes
EU RO MR	Yes
RCM	Yes



- 1 串口
- 2 Ethernet Port
- 3 USB port (版本 2.0 - 1.1)
- 4 供电



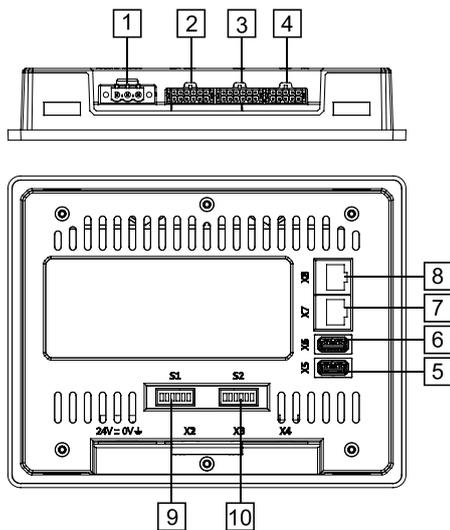
订货说明

型号	货号	说明
eSMART10	+ESMA10U301	10" widescreen TFT color touchscreen with Ethernet and USB interfaces. JMobile runtime.

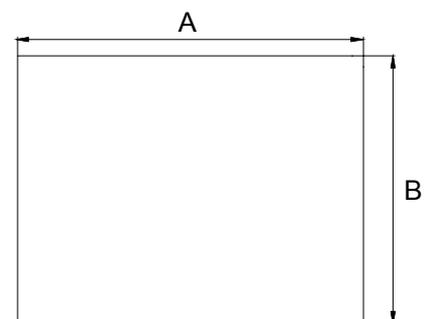
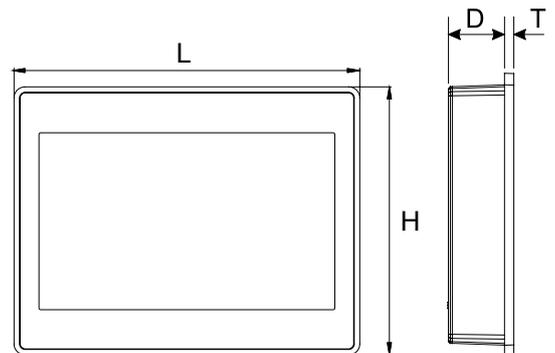
eSMART107 - 技术数据



System Resources	
Display - Colors	7" TFT 16:9 - 64K
Resolution	800x480, WVGA
Brightness	200 Cd/m ² typ.
Dimming	to 0%
Touchscreen	Resistive
CPU	ARM Cortex-A9 dual core - 800 MHz
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, No
Interface	
Ethernet port	2 (port 0 - 10/100/1000, port 1 - 10/100)
USB port	2 (Host V2.0, max. 100 mA)
Serial port	2 (RS-232), 2 (RS-422/RS-485 isolated), 2 (CAN 2.0b isolated)
SD card	No
Expansion	No
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.3 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Yes (Supercapacitor)
Environment Conditions	
Operating Temp	0 to +50°C (vertical installation)
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 2, 4X
Dimensions and Weights	
Faceplate LxH	187x147 mm (7.36x5.79")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	29+5 mm (1.14+0.19")
Weight	0.875 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments
UL	cULus: UL508
DNV-GL	Yes
EU RO MR	Yes
RCM	Yes



- | | |
|-------------------|------------------------------------|
| 1 供电 | 6 USB port |
| 2 串口 RS-485 + CAN | 7 Ethernet port 0 (10/100/1000 Mb) |
| 3 串口 RS-485 + CAN | 8 Ethernet port 1 (10/100 Mb) |
| 4 串口 2x RS-232 | 9 DIP 开关端口配置 |
| 5 USB port | 10 DIP 开关端口配置 |



Cut-out

订货说明

型号	货号	说明
eSMART107	+ESMA107U301	7" TFT color with touchscreen. 2 Ethernet ports, 2 CAN ports, 4 serial ports, 2 USB ports. JMobile runtime.

IoT控制器



IIoT控制器 - eX700系列

革命性的 IIoT 控制器

Exor 已对其旗舰产品 eX700 系列进行了升级，并且以后会不断更新，创建了终极的一体化解决方案，可跨很多行业扩展应用。

超高性能、高分辨率玻璃盖电容触摸屏、上下游完全可连接、功能强大的集成 PLC 带有所有主要协议、集成 VPN 和服务云，均提供长达 5 年的保修。



- 在 X 平台内创建
- 工业 4.0 产品概念
- 硬件和固件经过优化实现极快的运行
- 系统和项目快速启动
- Linux 实时操作系统
- JMobile – 支持X平台的软件
- 带以太网 I/O 协议栈的 CODESYSV3
- 多点触控和手势
- 出色的 2,100,000 像素显示屏
- 广角视野
- 美丽的 16,000,000 种颜色
- 耐刮擦、紫外线和化学腐蚀
- 整体玻璃设计
- 可通过多达3个以太网进行网络分离
- 具有不同 IP 地址的网络
- 插入式模块以进行系统扩展
- IECEx, ATEX, DNV-GL, EU RO MR, 劳埃德船级社, cULus, cULus Haz. Loc., RCM

概述

在 X 平台内创建的精美产品，因此具有无与伦比的能力提供对工业 4.0 的访问和可扩展性。具有45年行业经验的公司为您提供巨大的技术灵活性，并且在以前的型号上仍然具有竞争力的价格。

eX700 系列代表了上市的突破性产品：革命性 IIoT 控制器。

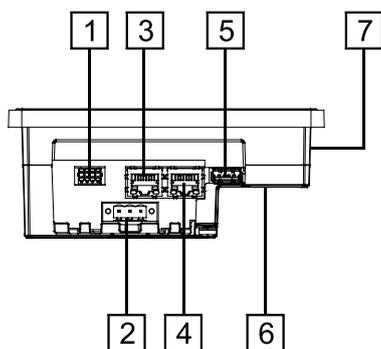
该产品的概念允许对 IIoT 的实施进行审慎的投资，并且实现工业 4.0 兼容性。因此，它提供了真正的多合一解决方案，涵盖了许多功能，例如：

- 作为功能强大的浏览器，具有行业标准的 Web 引擎，可为最先进的 Chromium 浏览器提供支持
- 作为网关具有多达 3 个以太网、OPC UA pub /sub* 服务器和客户端、将来的 TSN 连接性* 和多种协议
- 作为功能强大的 HMI，在出色的高分辨率显示屏中使用 JMobile 并具有多点触摸操作
- 作为带有 CODESYS V3 的 PLC 可以通过主要协议充当主站

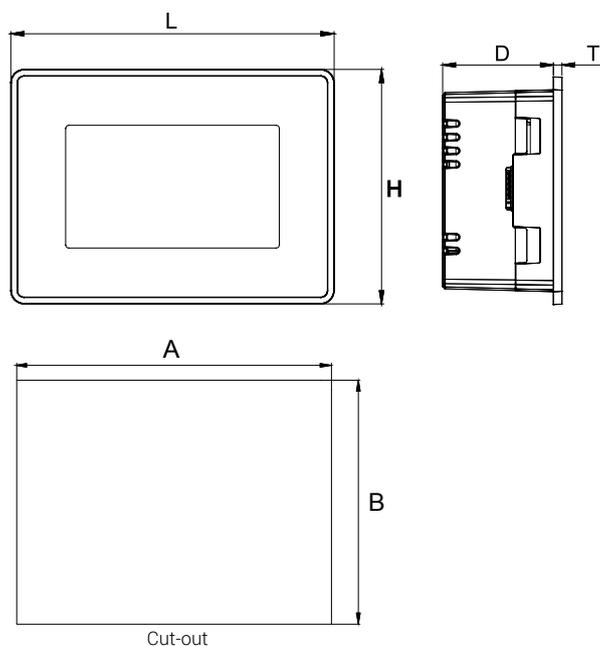
eX705 - 技术数据



System Resources	
Display - Colors	5" TFT 16:9 LED - 64K
Resolution	800x480, WVGA
Brightness	300 Cd/m ² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	ARM Cortex-A8 - 1 GHz
Operating System	Linux RT
Flash	4 GB
RAM	512 MB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100)
USB port	1 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 2 serial ports using plug-in modules.
SD card	Yes
Expansion	1 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.6 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	147x107 mm (5.78x4.21")
Cutout AxB	136x96 mm (5.35x3.78")
Depth D+T	52+8 mm (2.40+0.31")
Weight	1.3 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
IECEX	Zone 2/22: Ex nA IIC T5 Gc, Ex tc IIIC T95°C Dc
ATEX	Zone 2/22: II 3 G Ex nA IIC T5 Gc, II 3 D Ex tc IIIC T95°C Dc
DNV-GL	Yes
LR	Yes
EU RO MR	Yes
RCM	Yes



- 1 串口
- 2 供电
- 3 Ethernet 端口 1 (10/100 Mb)
- 4 Ethernet 端口 0 (10/100 Mb)
- 5 USB 端口 1
- 6 扩展插槽用于插入式模块
- 7 SD 卡插槽



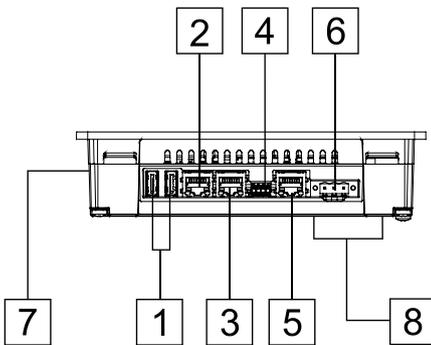
订货说明

型号	货号	说明
eX705	+EX705U5P1	5" widescreen TFT color with multitouch projected capacitive touchscreen. 2 Ethernet ports, 1 serial port, 1 USB port. JMobile runtime.

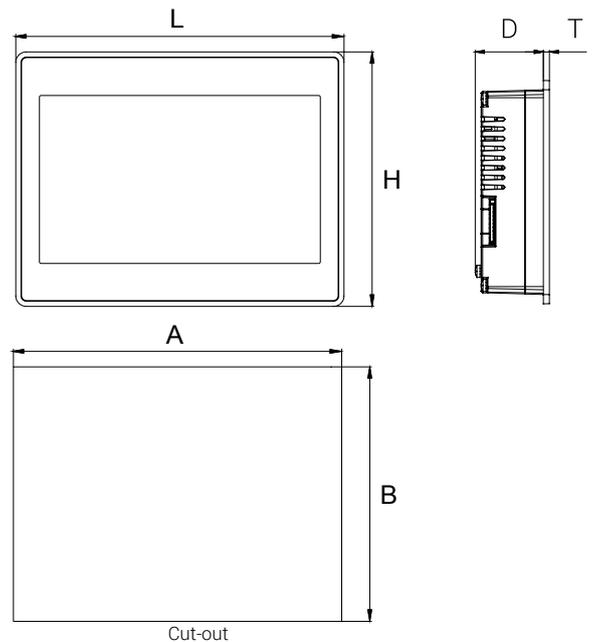
eX707 - 技术数据



System Resources	
Display - Colors	7" TFT 16:9 LED - 16M
Resolution	800x480, WVGA
Brightness	500 Cd/m ² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	ARM Cortex-A9 dual core 800 MHz
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.7 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	187x147 mm (7.36x5.79")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	47+8 mm (1.85+0.31")
Weight	1.5 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
IECEX	Zone 2/22: Ex nA IIC T5 Gc, Ex tc IIIC T95°C Dc
ATEX	Zone 2/22: II 3 G Ex nA IIC T5 Gc, II 3 D Ex tc IIIC T95°C Dc
DNV-GL	Yes
LR	Yes
EU RO MR	Yes
RCM	Yes



- 1 USB 端口 1 和 2
- 2 Ethernet 端口 2 (10/100 Mb)
- 3 Ethernet 端口 1 (10/100 Mb)
- 4 串口
- 5 Ethernet 端口 0 (10/100/1000 Mb)
- 6 供电
- 7 SD 卡插槽
- 8 2 扩展插槽用于插入式模块



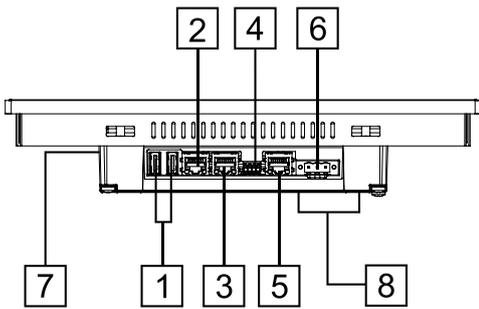
订货说明

型号	货号	说明
eX707	+EX707U5P1	7" widescreen TFT color with multitouch projected capacitive touchscreen. 3 Ethernet ports, 1 serial port, 2 USB ports. JMobile runtime.

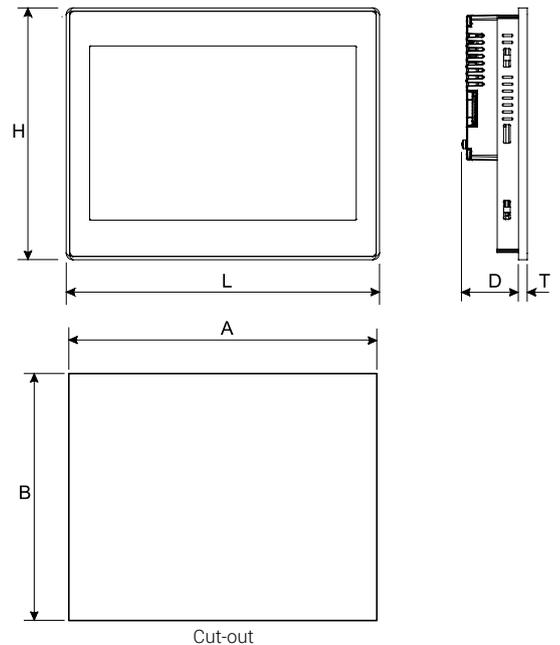
eX710 - 技术数据



System Resources	
Display - Colors	10.1" TFT 16:9 LED - 16M
Resolution	1280x800, WXGA
Brightness	500 Cd/m ² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	ARM Cortex-A9 dual core 800 MHz
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.0 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	282x197 mm (11.10x7.80")
Cutout AxB	271x186 mm (10.67x7.32")
Depth D+T	56+8 mm (2.20+0.33")
Weight	2.5 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
IECEX	Zone 2/22: Ex nA IIC T5 Gc, Ex tc IIIC T95°C Dc
ATEX	Zone 2/22: II 3 G Ex nA IIC T5 Gc, II 3 D Ex tc IIIC T95°C Dc
DNV-GL	Yes
LR	Yes
EU RO MR	Yes
RCM	Yes



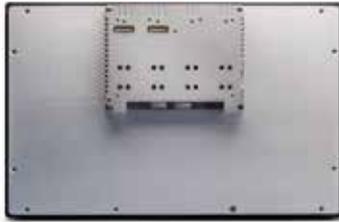
- 1 USB 端口 1 和 2
- 2 Ethernet 端口 2 (10/100 Mb)
- 3 Ethernet 端口 1 (10/100 Mb)
- 4 串口
- 5 Ethernet 端口 0 (10/100/1000 Mb)
- 6 供电
- 7 SD 卡插槽
- 8 2 扩展插槽用于插入式模块



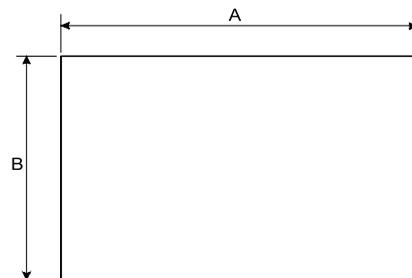
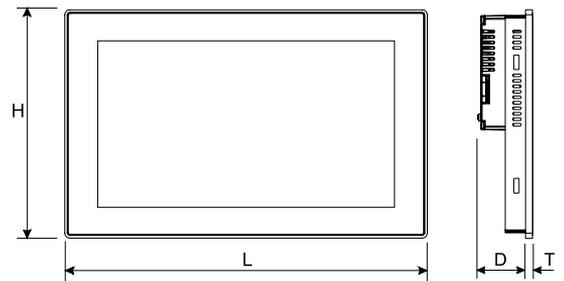
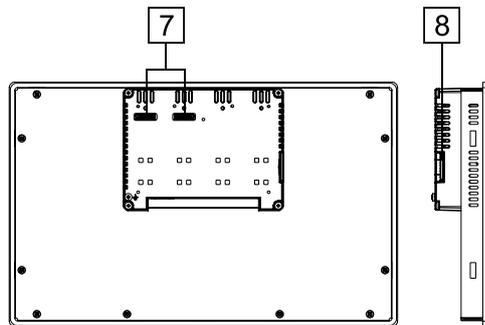
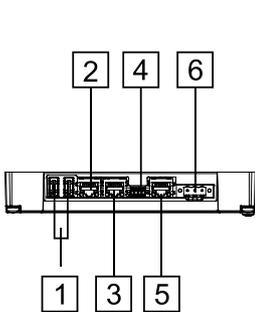
订货说明

型号	货号	说明
eX710	+EX710U5P1	10.1" widescreen TFT color with multitouch projected capacitive touchscreen. 3 Ethernet ports, 1 serial port, 2 USB ports. JMobile runtime.

eX715 - 技术数据



System Resources	
Display - Colors	15,6" TFT LED - 16M
Resolution	1366x768, HD
Brightness	400 Cd/m ² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	ARM Cortex-A9 quad core 800 MHz
Operating System	Linux RT
Flash	8 GB
RAM	2 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.2 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	422x267 mm (16.6x10.5")
Cutout AxB	411x256 mm (16.18x10")
Depth D+T	56+8 mm (2.20+0.33")
Weight	4.1 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
IECEX	Zone 2/22: Ex nA IIC T5 Gc, Ex tc IIIC T95°C Dc
ATEX	Zone 2/22: II 3 G Ex nA IIC T5 Gc, II 3 D Ex tc IIIC T95°C Dc
DNV-GL	Yes
LR	Yes
EU RO MR	Yes
RCM	Yes



Cut-out

- 1 USB 端口 1 和 2
- 2 Ethernet 端口 2 (10/100 Mb)
- 3 Ethernet 端口 1 (10/100 Mb)
- 4 串口
- 5 Ethernet 端口 0 (10/100/1000 Mb)
- 6 供电
- 7 2 扩展插槽用于插入式模块
- 8 SD 卡插槽

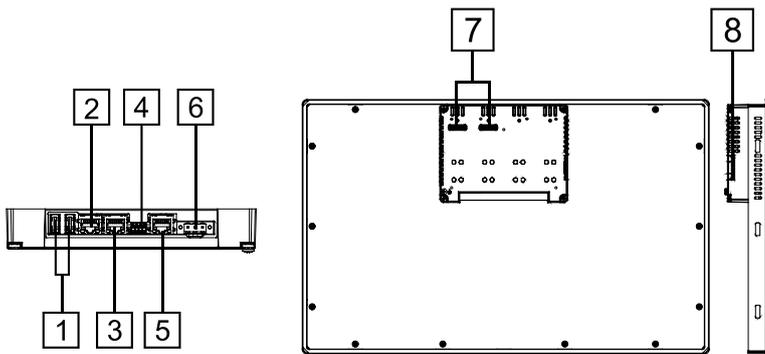
订货说明

型号	货号	说明
eX715	+EX715U5P1	15.6" widescreen TFT color with multitouch projected capacitive touchscreen. 3 Ethernet ports, 1 serial port, 2 USB ports. JMobile runtime.

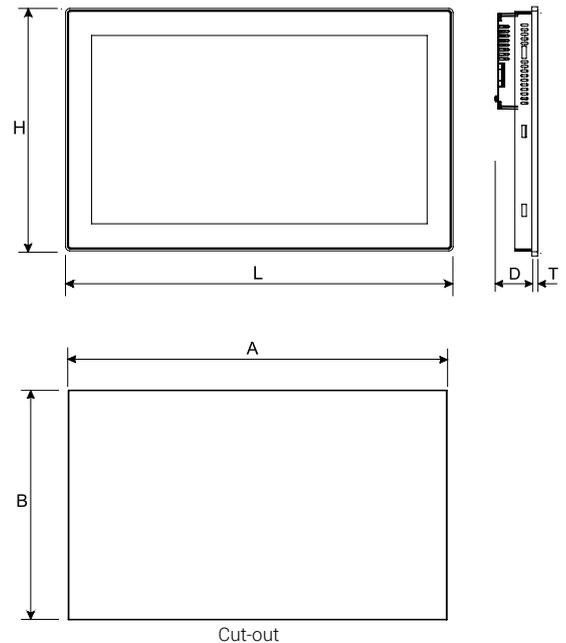
eX721 - 技术数据



System Resources	
Display - Colors	21,5" TFT LED - 16M
Resolution	1920x1080, full HD
Brightness	300 Cd/m ² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	ARM Cortex-A9 quad core 800 MHz
Operating System	Linux RT
Flash	8 GB
RAM	2 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.7 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	552x347 mm (21,7x13,66")
Cutout AxB	541x336 mm
Depth D+T	56+8.5 mm
Weight	6.1 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
IECEX	Zone 2/22: Ex nA IIC T5 Gc, Ex tc IIIC T95°C Dc
ATEX	Zone 2/22: II 3 G Ex nA IIC T5 Gc, II 3 D Ex tc IIIC T95°C Dc
DNV-GL	Yes
LR	Yes
EU RO MR	Yes
RCM	Yes



- 1 USB 端口 1 和 2
- 2 Ethernet 端口 2 (10/100 Mb)
- 3 Ethernet 端口 1 (10/100 Mb)
- 4 串口
- 5 Ethernet 端口 0 (10/100/1000 Mb)
- 6 供电
- 7 2 扩展插槽用于插入式模块
- 8 SD 卡插槽



订货说明

型号	货号	说明
eX721	+EX721U5P1	21.5" widescreen TFT color with multitouch projected capacitive touchscreen. 3 Ethernet ports, 1 serial port, 2 USB ports. JMobile runtime.

附件



型号	货号	说明
PLCM01	+PLCM01U0P1	插入式模块 CAN
PLCM02	+PLCM02U001	插入式模块 KNX/EIB (TP 接口)
PLCM03	+PLCM03U0P1	插入式模块 RS-232
PLCM04	+PLCM04U0P1	插入式模块 RS-422/485 带光隔离
PLCM05	+PLCM05U0P2	插入式扩展器用于PLIO03/PLIO04 (仅用于 eX705)
PLCM06	+PLCM06U0P1	插入式模块 Profibus DP slave 12 MB
PLCM09	+PLCM09U0P1	插入式无线调制解调器
CODESYS V3 SoftPLC	+SWLC00R000000	CODESYS V3 激活许可证
PLIO03	+PLIO03U0P1	I/O 模块 with 20 DI 24VDC, 12 DO 24VDC 0,5 A, 8 AI (4 diff or 8 single or 4 PT100 or 4 TC), 4 AO, 1 PT100 Cold Junct
PLIO04	+PLIO04U0P1	I/O 模块 with 10 DI 24VDC, 10 DO SSR 1.4 A, 4 可编程 AI voltage/PT100/TC, 4 AI voltage, 1 PT100
PLIO06	+PLIO06U0P1	紧凑型 I/O 模块. 8 DI, 6 DO, 1 继电器输出
PLIO07	+PLIO07U001	紧凑型 I/O 模块. 2 继电器输出

经典 HMI



经典 HMI - eTOP500系列

坚如磐石

- 5年保修
- 创新的机械设计和全金属外壳
- 尺寸从4.3英寸到15英寸可选
- 高性能触摸屏HMI
- 明亮的显示器采用全彩LED技术
- 具备网关功能、远程安装应用程序和远程协助
- 集成以太网、USB、串行端口和MPI
- 可选插件模块用于现场总线系统和网络
- 支持SD卡
- 在所有电路板上覆盖有涂层
- 可选IEC 61311-3集成PLC (CODESYS V2或V3)
- 前面板提供三种颜色 (白色/黑色/银色)
- 专用版本用于特殊应用



概述

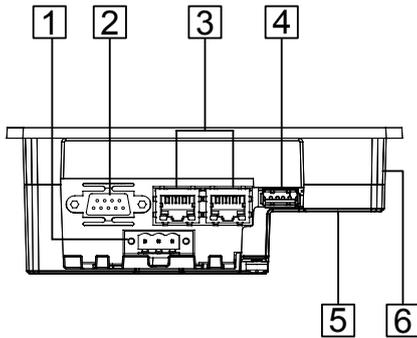
eTOP 500系列集先进的功能和顶尖的性能于一体并且还有出类拔萃的设计。

eTOP 500系列包含各种可选的资质证书和批准证书使其成为满足所有要求的首选解决方案。

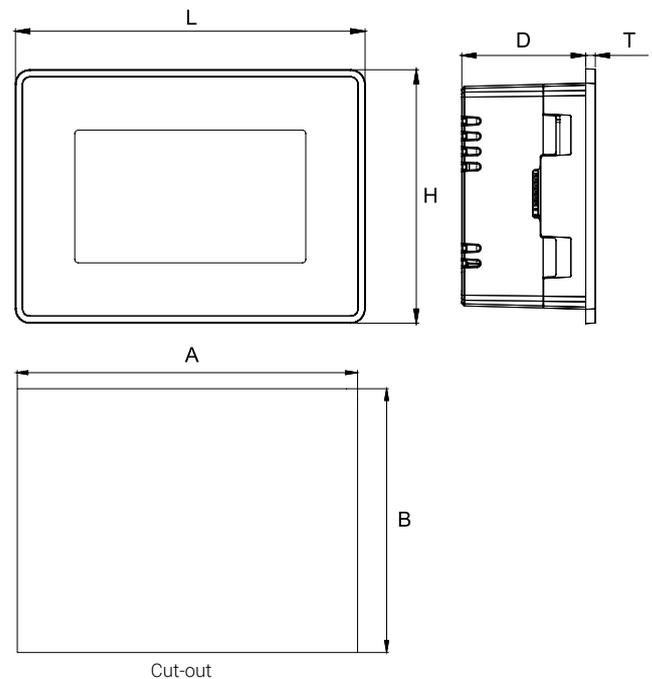
eTOP504 - 技术数据



System Resources	
Display - Colors	4.3" TFT 16:9 LED - 64K
Resolution	480x272, WQVGA
Brightness	150 Cd/m ² typ.
Dimming	to 0%
Touchscreen	Resistive
CPU	ARM Cortex-A8 - 600 MHz
Operating System	Microsoft Windows CE 6.0
Flash	128 MB
RAM	256 MB DDR
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	1 (port 1 - Host V2.0)
Serial port	1 (RS-232, RS-485, RS-422, MPI software configurable)
SD card	Yes
Expansion	1 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.55 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	0 to +50 °C
Storage Temp	-20 to +70 °C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	147x107 mm (5.78x4.21")
Cutout AxB	136x96 mm (5.35x3.78")
Depth D+T	56+4 mm (2.40+0.16")
Weight	Approx 1.0 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508
UL	cULus: Class I Div. 2
DNV-GL	Yes
RCM	Yes



- 1 电源
- 2 串口
- 3 2 端口 Ethernet
- 4 USB 端口
- 5 扩展槽用于插入式模块
- 6 SD卡插槽



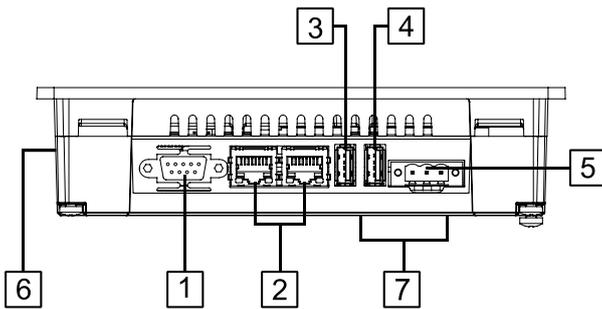
订货说明

型号	货号	说明
eTOP504-White	+ETOP504U1P1	4.3" TFT color touchscreen panel with Ethernet interface, White front panel. JMobile runtime.
eTOP504-Silver	+ETOP504U2P1	4.3" TFT color touchscreen panel with Ethernet interface. Silver front panel. JMobile runtime.
eTOP504-Black	+ETOP504U3P1	4.3" TFT color touchscreen panel with Ethernet interface. Black front panel. JMobile runtime.
PROTFOIL-04-GL	R-PROT11	Disposable protection foil for 3.5"/3.8"/4.3" eTOP touch panels (10 pieces)
PROTFOIL-04-UV	R-PROT17	Disposable protection foil for 3.5"/3.8"/4.3" eTOP touch panels (10 pieces). UV resistant

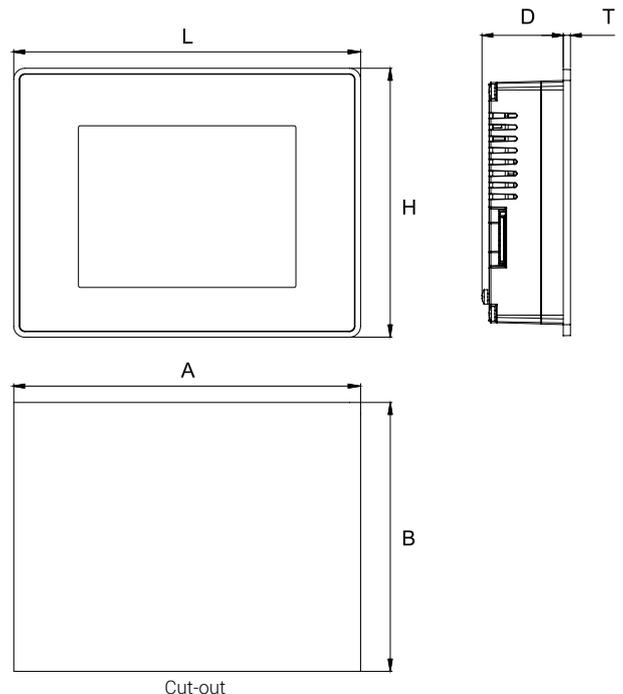
eTOP506 - 技术数据



System Resources	
Display - Colors	5.7" TFT LED - 64K
Resolution	320x240, QVGA
Brightness	200 Cd/m ² typ.
Dimming	to 0%
Touchscreen	Resistive
CPU	ARM Cortex-A8 - 600 MHz
Operating System	Microsoft Windows CE 6.0
Flash	128 MB
RAM	256 MB DDR
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	2 (port 1 - Host V2.0, port 2 - Host V2.0/1.1)
Serial port	1 (RS-232, RS-485, RS-422, MPI software configurable)
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.65 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	0 to +50 °C
Storage Temp	-20 to +70 °C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	187x147 mm (7.36x5.79")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	47+4 mm (1.85+0.16")
Weight	Approx 1.0 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508
UL	cULus: Class I Div. 2
DNV-GL	Yes
RCM	Yes



- 1 串口
- 2 2x Ethernet 端口
- 3 USB 端口 (版本 2.0 - 1.1)
- 4 USB 端口 (版本 2.0 只是高速)
- 5 供电
- 6 SD卡插槽
- 7 2x 扩展插槽用于插入式模块



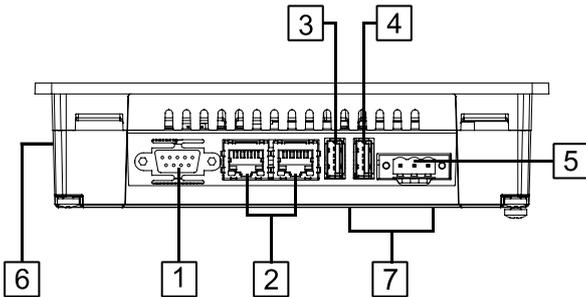
订货说明

型号	货号	说明
eTOP506-White	+ETOP506U1P1	5.7" TFT color touchscreen with Ethernet and USB interfaces. White front panel. JMobile runtime.
eTOP506-Silver	+ETOP506U2P1	5.7" TFT color touchscreen with Ethernet and USB interfaces. Silver front panel. JMobile runtime.
eTOP506-Black	+ETOP506U3P1	5.7" TFT color touchscreen with Ethernet and USB interfaces. Black front panel. JMobile runtime.
PROTFOIL-07-GL	R-PROT12	Disposable protection foil for 5.7" and 7" eTOP touch panels (10 pieces).
PROTFOIL-07-UV	R-PROT18	Disposable protection foil for 5.7" and 7" eTOP touch panels (10 pieces). UV resistant.

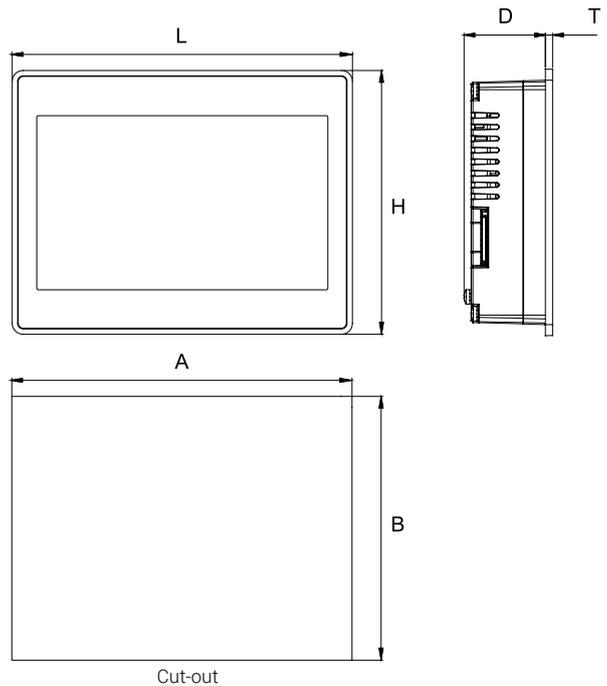
eTOP507 - 技术数据



System Resources	
Display - Colors	7" TFT 16:9 LED - 64K
Resolution	800x480, WVGA
Brightness	300 Cd/m ² typ.
Dimming	to 0%
Touchscreen	Resistive
CPU	ARM Cortex-A8 - 600 MHz
Operating System	Microsoft Windows CE 6.0
Flash	128 MB
RAM	256 MB DDR
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	2 (port 1 - Host V2.0, port 2 - Host V2.0/1.1)
Serial port	1 (RS-232, RS-485, RS-422, MPI software configurable)
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.7 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	0 to +50 °C
Storage Temp	-20 to +70 °C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	187x147 mm (7.36x5.79")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	47+4 mm (1.85+0.16")
Weight	Approx 1.0 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508
UL	cULus: Class I Div. 2
DNV-GL	Yes
RCM	Yes



- 1 串口
- 2 2x Ethernet 端口
- 3 USB 端口 (版本 2.0 - 1.1)
- 4 USB 端口 (版本 2.0 只是高速)
- 5 供电
- 6 SD卡插槽
- 7 2x 扩展插槽用于插入式模块



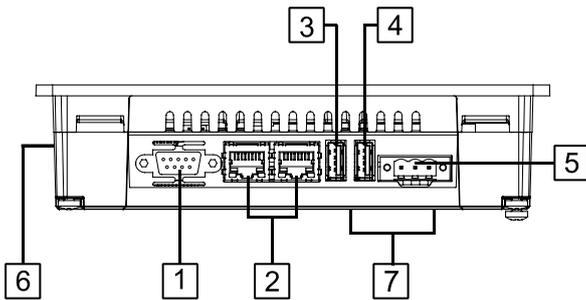
订货说明

型号	货号	说明
eTOP507-White	+ETOP507U1P3	7" widescreen TFT color touchscreen with Ethernet and USB interfaces. White front panel. JMobile runtime.
eTOP507-Silver	+ETOP507U2P3	7" widescreen TFT color touchscreen with Ethernet and USB interfaces. Silver front panel. JMobile runtime.
eTOP507-Black	+ETOP507U3P3	7" widescreen TFT color touchscreen with Ethernet and USB interfaces. Black front panel. JMobile runtime.
PROTFOIL-07-GL	R-PROT12	Disposable protection foil for 5.7" and 7" eTOP touch panels (10 pieces).
PROTFOIL-07-UV	R-PROT18	Disposable protection foil for 5.7" and 7" eTOP touch panels (10 pieces). UV resistant.

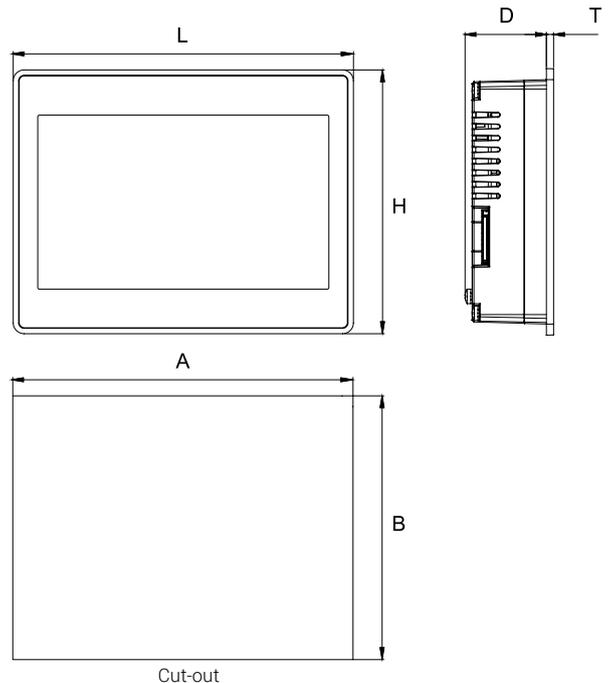
eTOP507M - 技术数据



System Resources	
Display - Colors	7" TFT 16:9 LED - 64K
Resolution	800x480, WVGA
Brightness	300 Cd/m ² typ.
Dimming	to 0%
Touchscreen	Resistive
CPU	ARM Cortex-A8 - 1 GHz
Operating System	Microsoft Windows CE 6.0
Flash	256 MB
RAM	256 MB DDR
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	2 (port 1 - Host V2.0, port 2 - Host V2.0/1.1)
Serial port	1 (RS-232, RS-485, RS-422, MPI software configurable)
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.7 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	0 to +50 °C
Storage Temp	-20 to +70 °C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	187x147 mm (7.36x5.79")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	47+4 mm (1.85+0.16")
Weight	Approx 1.0 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508
UL	cULus: Class I Div. 2
DNV-GL	Yes
RCM	Yes



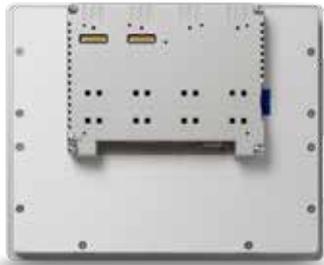
- 1 串口
- 2 2x Ethernet 端口
- 3 USB 端口 (版本 2.0 - 1.1)
- 4 USB 端口 (版本 2.0 只是高速)
- 5 供电
- 6 SD卡插槽
- 7 2x 扩展插槽用于插入式模块



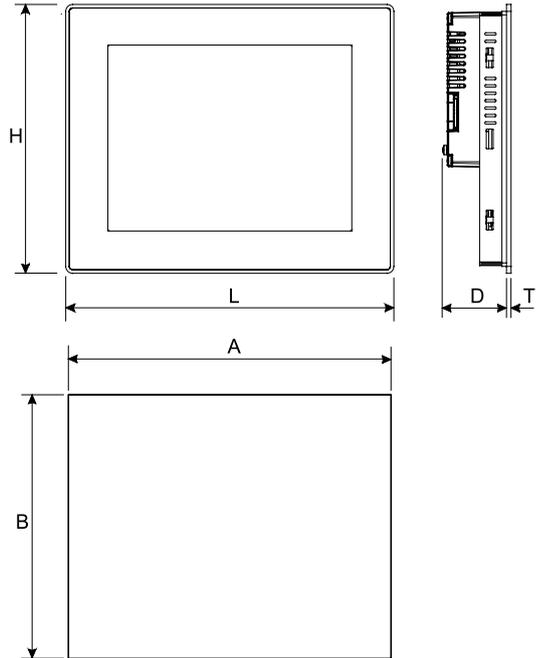
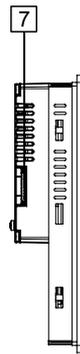
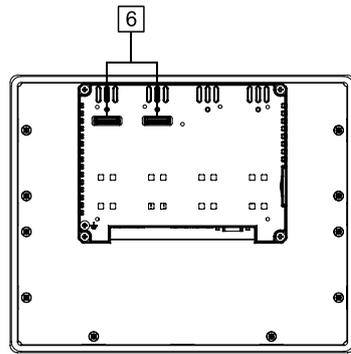
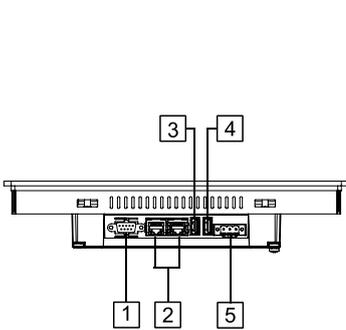
订货说明

型号	货号	说明
eTOP507M-White	+ETOP507MU1P1	7" widescreen TFT color touchscreen with Ethernet and USB interfaces. White front panel. JMobile runtime.
eTOP507M-Silver	+ETOP507MU2P1	7" widescreen TFT color touchscreen with Ethernet and USB interfaces. Silver front panel. JMobile runtime.
eTOP507M-Black	+ETOP507MU3P1	7" widescreen TFT color touchscreen with Ethernet and USB interfaces. Black front panel. JMobile runtime.
PROTFOIL-07-GL	R-PROT12	Disposable protection foil for 5.7" and 7" eTOP touch panels (10 pieces).
PROTFOIL-07-UV	R-PROT18	Disposable protection foil for 5.7" and 7" eTOP touch panels (10 pieces). UV resistant.

eTOP510 - 技术数据



System Resources	
Display - Colors	10"4 TFT LED - 64K
Resolution	800x600, SVGA
Brightness	300 Cd/m ² typ.
Dimming	to 0%
Touchscreen	Resistive
CPU	ARM Cortex-A8 - 1 GHz
Operating System	Microsoft Windows CE 6.0
Flash	256 MB
RAM	256 MB DDR
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	2 (port 1 - Host V2.0, port 2 - Host V2.0/1.1)
Serial port	1 (RS-232, RS-485, RS-422, MPI software configurable)
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	0 to +50 °C
Storage Temp	-20 to +70 °C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	287x232 mm (11.3x9.13")
Cutout AxB	276x221 mm (10.86x8.70")
Depth D+T	56+4 mm (2.20+0.16")
Weight	Approx. 2.1 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508
UL	cULus: Class I Div. 2
DNV-GL	Yes
RCM	Yes



- 1 串口
- 2 2x Ethernet 端口
- 3 USB 端口 (版本 2.0 - 1.1)
- 4 USB 端口 (版本 2.0 只是高速)
- 5 供电
- 6 2x 扩展插槽用于插入式模块
- 7 SD卡插槽

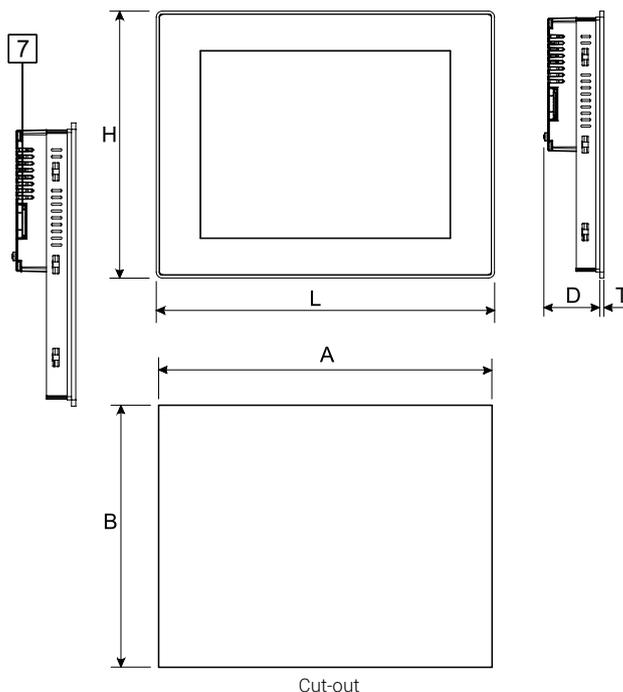
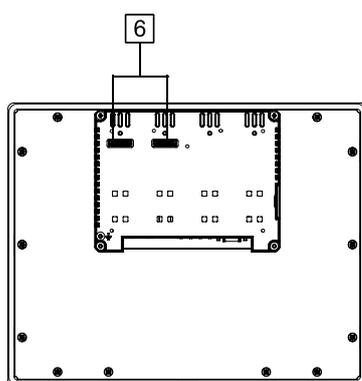
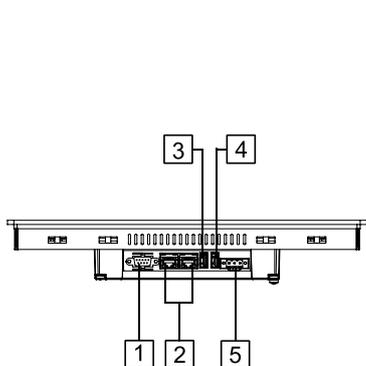
订货说明

型号	货号	说明
eTOP510-White	+ETOP510U1P1	10"4 TFT color touchscreen with Ethernet and USB interfaces. White front panel. JMobile runtime.
eTOP510-Silver	+ETOP510U2P1	10"4 TFT color touchscreen with Ethernet and USB interfaces. Silver front panel. JMobile runtime.
eTOP510-Black	+ETOP510U3P1	10"4 TFT color touchscreen with Ethernet and USB interfaces. Black front panel. JMobile runtime.
PROTFOIL-10-GL	R-PROT14	Disposable protection foil for 10"4 eTOP touch panels (10 pieces).
PROTFOIL-10-UV	R-PROT20	Disposable protection foil for 10"4 eTOP touch panels (10 pieces). UV resistant.

eTOP512 - 技术数据



System Resources	
Display - Colors	12"1 TFT LED - 64K
Resolution	800x600, SVGA
Brightness	300 Cd/m ² typ.
Dimming	to 0%
Touchscreen	Resistive
CPU	ARM Cortex-A8 - 1 GHz
Operating System	Microsoft Windows CE 6.0
Flash	256 MB
RAM	256 MB DDR
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	2 (port 1 - Host V2.0, port 2 - Host V2.0/1.1)
Serial port	1 (RS-232, RS-485, RS-422, MPI software configurable)
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.05 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	0 to +50 °C
Storage Temp	-20 to +70 °C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	336x267 mm (13.22x10.51")
Cutout AxB	326x256 mm (12.83x10.07")
Depth D+T	56+4 mm (2.20+0.16")
Weight	Approx. 2.8 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508
UL	cULus: Class I Div. 2
DNV-GL	Yes
RCM	Yes



- 1 串口
- 2 2x Ethernet 端口
- 3 USB 端口 (版本 2.0 - 1.1)
- 4 USB 端口 (版本 2.0 只是高速)
- 5 供电
- 6 2x 扩展插槽用于插入式模块
- 7 SD卡插槽

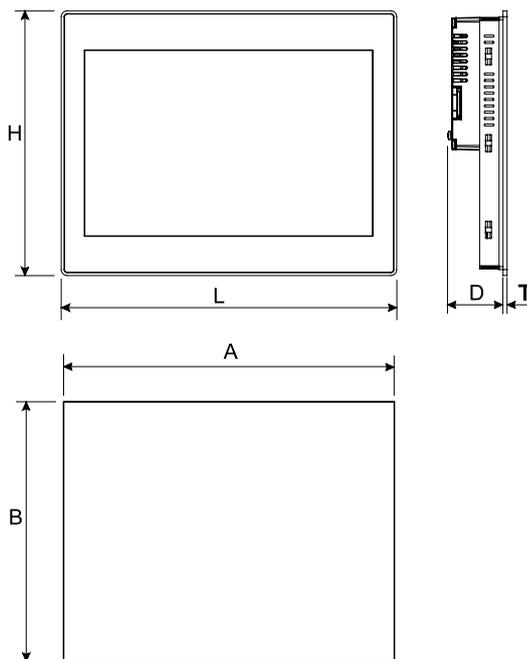
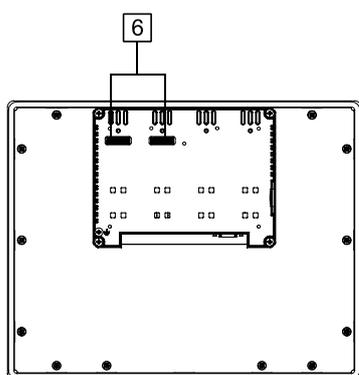
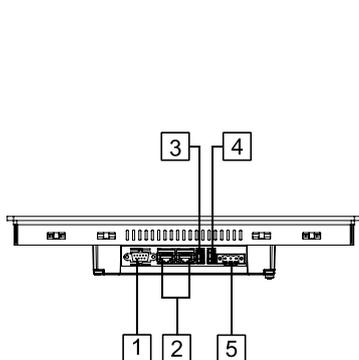
订货说明

型号	货号	说明
eTOP512-White	+ETOP512U1P1	12"1 TFT color touchscreen with Ethernet and USB interfaces. White front panel. JMobile runtime.
eTOP512-Silver	+ETOP512U2P1	12"1 TFT color touchscreen with Ethernet and USB interfaces. Silver front panel. JMobile runtime.
eTOP512-Black	+ETOP512U3P1	12"1 TFT color touchscreen with Ethernet and USB interfaces. Black front panel. JMobile runtime.
PROTFOIL-15-GL	R-PROT13	Disposable protection foil for 12"1 eTOP touch panels (10 pieces).
PROTFOIL-13-UV	R-PROT21	Disposable protection foil for 12"1 eTOP touch panels (10 pieces). UV resistant.

eTOP513 - 技术数据



System Resources	
Display - Colors	13"3 TFT 16:9 LED - 64K
Resolution	1280x800, WXGA
Brightness	300 Cd/m ² typ.
Dimming	to 0%
Touchscreen	Resistive
CPU	ARM Cortex-A8 - 1 GHz
Operating System	Microsoft Windows CE 6.0
Flash	256 MB
RAM	256 MB DDR
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	2 (port 1 - Host V2.0, port 2 - Host V2.0/1.1)
Serial port	1 (RS-232, RS-485, RS-422, MPI software configurable)
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.15 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	0 to +50 °C
Storage Temp	-20 to +70 °C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	336x267 mm (13.22x10.51")
Cutout AxB	326x256 mm (12.83x10.07")
Depth D+T	56+4 mm (2.20+0.16")
Weight	Approx. 2.8 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508
UL	cULus: Class I Div. 2
DNV-GL	Yes
RCM	Yes



Cut-out

- 1 串口
- 2 2x Ethernet 端口
- 3 USB 端口 (版本 2.0 - 1.1)
- 4 USB 端口 (版本 2.0 只是高速)
- 5 供电
- 6 2x 扩展插槽用于插入式模块
- 7 SD卡插槽

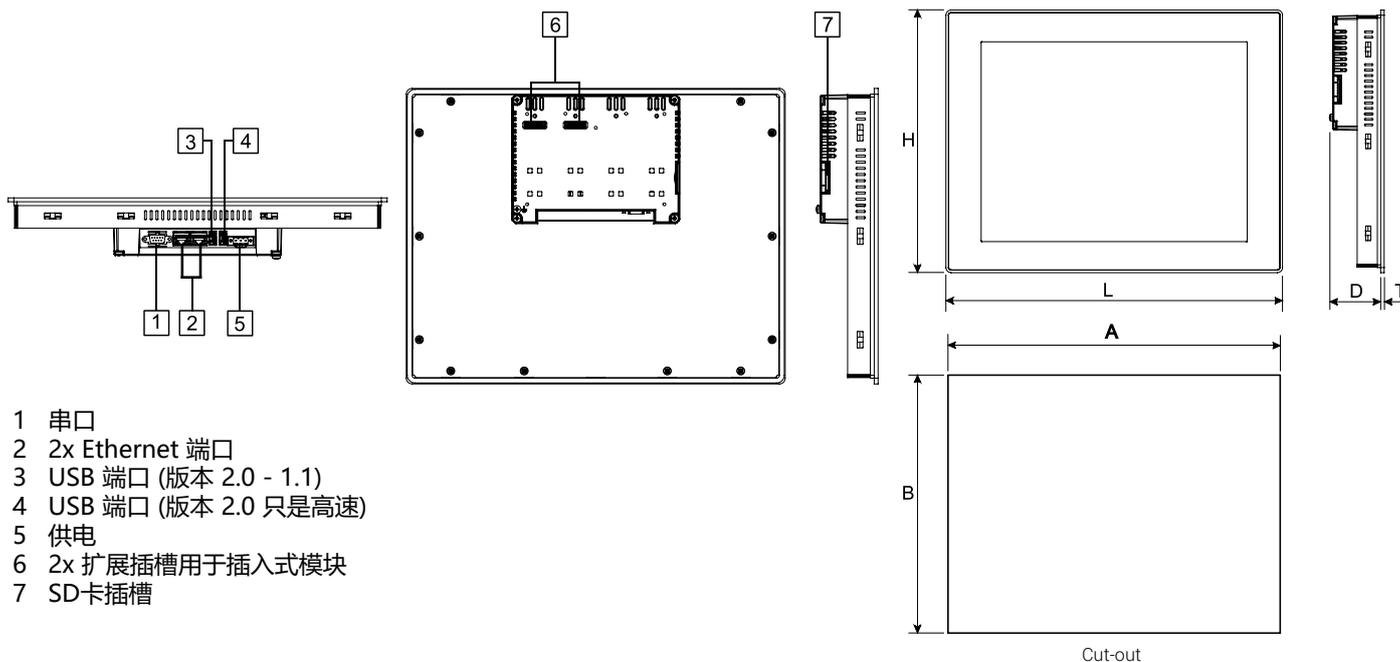
订货说明

型号	货号	说明
eTOP513-White	+ETOP513U1P1	13"3 widescreen TFT color touchscreen with Ethernet and USB interfaces. White front panel. JMobile runtime.
eTOP513-Silver	+ETOP513U2P1	13"3 widescreen TFT color touchscreen with Ethernet and USB interfaces. Silver front panel. JMobile runtime.
eTOP513-Black	+ETOP513U3P1	13"3 widescreen TFT color touchscreen with Ethernet and USB interfaces. Black front panel. JMobile runtime.
PROTFOIL-13-GL	R-PROT15	Disposable protection foil for 13"3 widescreen eTOP touch panels (10 pieces).
PROTFOIL-13-UV	R-PROT21	Disposable protection foil for 13"3 widescreen eTOP touch panels (10 pieces). UV resistant.

eTOP515 - 技术数据



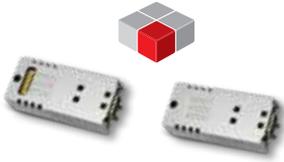
System Resources	
Display - Colors	15" TFT LED - 64K
Resolution	1024x768, XGA
Brightness	300 Cd/m ² typ.
Dimming	to 0%
Touchscreen	Resistive
CPU	ARM Cortex-A8 - 1 GHz
Operating System	Microsoft Windows CE 6.0
Flash	256 MB
RAM	256 MB DDR
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	2 (port 1 - Host V2.0, port 2 - Host V2.0/1.1)
Serial port	1 (RS-232, RS-485, RS-422, MPI software configurable)
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.25 A at 24 Vdc (max.)
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	0 to +50 °C
Storage Temp	-20 to +70 °C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	392x307 mm (15.43x12.08")
Cutout AxB	381x296 mm (15x11.65")
Depth D+T	60+4 mm (2.36+0.16")
Weight	Approx 3.5 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	cULus: UL508
UL	cULus: Class I Div. 2
DNV-GL	Yes
RCM	Yes



订货说明

型号	货号	说明
eTOP515-White	+ETOP515U1P1	15" TFT color touchscreen with Ethernet and USB interfaces. White front panel. JMobile runtime.
eTOP515-Silver	+ETOP515U2P1	15" TFT color touchscreen with Ethernet and USB interfaces. Silver front panel. JMobile runtime.
eTOP515-Black	+ETOP515U3P1	15" TFT color touchscreen with Ethernet and USB interfaces. Black front panel. JMobile runtime.
PROTFOIL-15-GL	R-PROT16	Disposable protection foil for 15" widescreen eTOP touch panels (10 pieces).
PROTFOIL-15-UV	R-PROT22	Disposable protection foil for 15" widescreen eTOP touch panels (10 pieces). UV resistant.

附件



型号	货号	说明
PLCM01 PLCM02 PLCM03 PLCM04 PLCM05 PLCM06 PLCM07	+PLCM01U0P1 +PLCM02U001 +PLCM03U0P1 +PLCM04U0P1 +PLCM05U0P2 +PLCM06U0P1 +PLCM07U0P1	插入式模块 CAN 插入式模块 KNX/EIB (TP接口) 插入式模块 RS-232 插入式模块 RS-422/485带光隔离 插入式延长器用于PLIO03/PLIO04 (只用于 eTOP504) 插入式模块 PROFIBUS DP 从站 12 MB 插入式安全云连接器
CODESYS V3 SoftPLC PLCM01-CDS PLCM02-CDS PLCM05-CDS	+SWLC00R000000 +PLCM01U0P2 +PLCM02U002 +PLCM05U0P1	CODESYS V3 激活许可证 插入式模块 CAN + CODESYS V2 插入式模块 KNX/EIB (TP 接口) + CODESYS V2 插入式模块 CODESYS V2
PLIO03 PLIO04 PLIO06 PLIO07	+PLIO03U0P1 +PLIO04U0P1 +PLIO06U0P1 +PLIO07U001	I/O 模块带 20 DI 24VDC, 12 DO 24VDC 0,5 A, 8 AI (4 diff or 8 single or 4 PT100 or 4 TC), 4 AO, 1 PT100 Cold Junct I/O 模块带 10 DI 24VDC, 10 DO SSR 1.4 A, 4 可编程 AI voltage/ PT100/TC, 4 AI voltage, 1 PT100 紧凑型 I/O 模块. 8 DI, 6 DO, 1 继电器输出 紧凑型 I/O 模块. 2 继电器输出

智能边缘



智能边缘 - JSmart系列

当美学和功能性相遇时，市场就会发生变化。

- 从5.0英寸到21.5英寸的TFT彩色显示屏，
- 分辨率高达1920x1080像素，具有16M色，可调光的背光
- 具有滑动和缩放功能的PCAP触摸屏多点触控
- 用于电源和以太网的10/100以太网端口PoE单电缆
- Wi-Fi 连接
- 高达ARM Cortex-A9四核CPU
- 全面的IP67保护；特别适用于安装臂直接安装在机器上
- 安装在22毫米的孔上
- 包括环境和运动传感器
- 可使用离源点最长100m的电缆



概述

每隔一段时间就会有改变市场的新产品发布。它通过鼓励参与者质疑现状来影响所有参与者的观点。并且当创新导致差异化被不断地创建时，就要挑战之前所做的事情。

EXOR希望通过介绍智能 HMI 现场设备 JSmart 系列，邀请您加入想象和发现之旅。该产品类似于消费领域的智能手机、平板电脑和PC，并且还是一款鲁棒性的工业级产品，并将持续数年。

我们已经花费了多年来重新设计板上的近80%的内部组件，以适应令人难以置信的美丽又纤薄的外壳。从任何角度看产品，都有一种宁静和纯净的感觉，掩盖了其下方的强大技术。

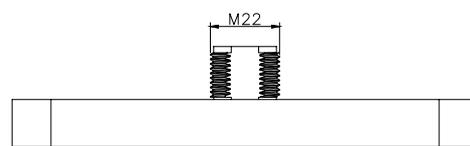
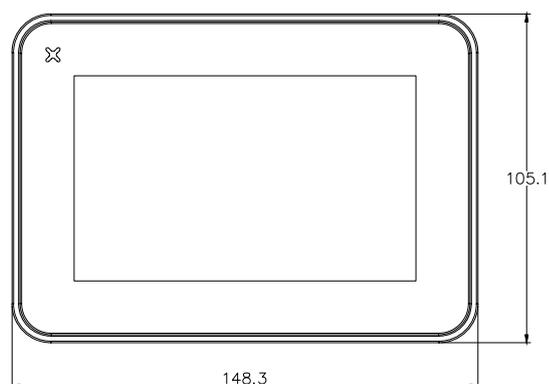
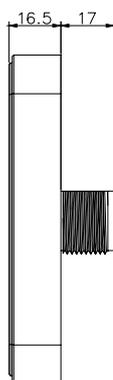
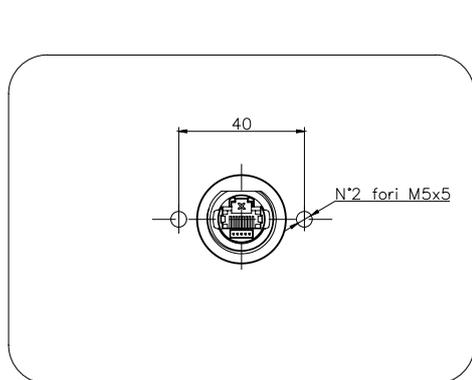
达到四核Cortex A9，多点触控和鲁棒性的玻璃前面板，全套运动和环境传感器以及 wiP 接口，共同为您提供了广泛的应用可行性。

挑战以前发生的事情。

JSmart705 - 技术数据



System Resources	
Display - Colors	5" TFT – 16M
Resolution	800x480
Brightness	300 cd/m ² typ.
Dimming	to 0%
Touchscreen	Projected capacitive – Multitouch
CPU	ARM Cortex-A9 dual core - 800 MHz
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
FRAM	64 KB
Real Time Clock, RTC Back-up	Yes
Interface	
Ethernet port	10/100 PoE
USB port	1 (Host V2.0, max. 50 mA, available with special cable)
LED	1 RGB
Sensors	Temperature, 3-Axis Accelerometer
Buzzer	Yes
Ratings	
Power supply	IEEE 802.3af PoE
Power Consumption	6 W
Battery	Yes (rechargeable)
Environment Conditions	
Operating Temp	-20° to +55° C (vertical installation)
Storage Temp	-30°C to +80°C
Operating / Storage Humidity	5-85% RH, non-condensing
Protection Class	IP67 (requires appropriate accessories and cables) Type: 1, 12, 4x
Dimensions and Weights	
Faceplate LxH	148.3x105.1 mm (5.83x 4.13")
Depth D+T+T	16.5 mm (0.06")
Weight	0.5 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environment
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
RCM	Yes



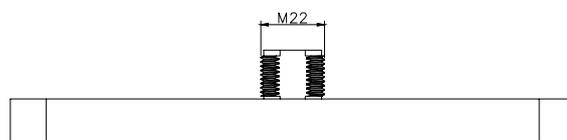
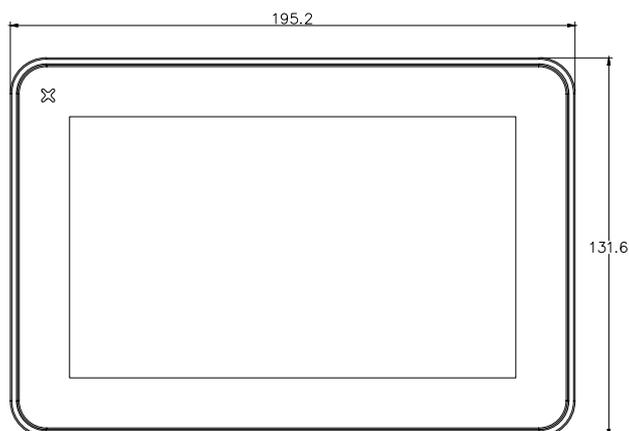
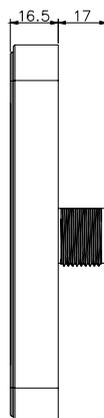
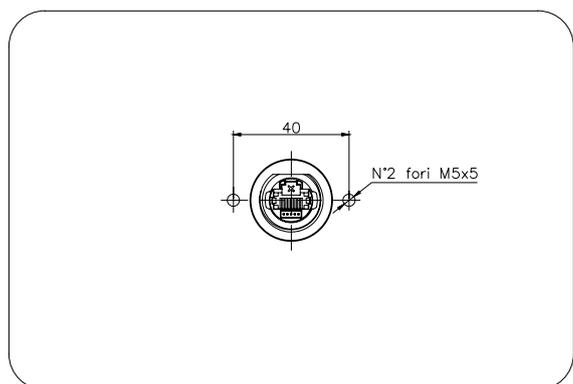
订货信息

型号	零件号	说明
JSmart705	+JS705BA0U5P1	Field-ready HMI 5" TFT with PCAP touchscreen

JSmart707 - 技术数据



System Resources	
Display - Colors	7" TFT – 16M
Resolution	1024x600
Brightness	400 cd/m ² typ.
Dimming	to 0%
Touchscreen	Projected Capacitive – Multitouch
CPU	ARM Cortex-A9 dual core - 800 MHz
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
FRAM	64 KB
Real Time Clock, RTC Back-up	Yes
Interface	
Ethernet port	10/100 PoE
USB port	1 (Host V2.0, max. 50 mA, available with special cable)
LED	1 RGB
Sensors	Temperature, 3-Axis Accelerometer
Wi-Fi	IEEE 802.11a/b/g
Buzzer	Yes
Ratings	
Power supply	IEEE 802.3af PoE
Power Consumption	9 W
Battery	Yes (rechargeable)
Environment Conditions	
Operating Temp	-20° to +55° C (vertical installation)
Storage Temp	-30°C to +80°C
Operating / Storage Humidity	5-85% RH, non-condensing
Protection Class	IP67 (requires appropriate accessories and cables) Type: 1, 12, 4x
Dimensions and Weights	
Faceplate LxH	195.2x131.6 mm (7.68x5.18")
Depth D+T+T	16.5 mm (0.06")
Weight	0.7 Kg
Approvals	
CE	EN 6231, EN 61010-1, EN IEC 61010-2-201 EN 61000-6-2, EN 61000-6-4, EN 61000-6-1, EN 61000-6-3, ETSI EN 301 489-1, ETSI EN 301 489-17 ETSI EN 300 328
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
RCM	Yes



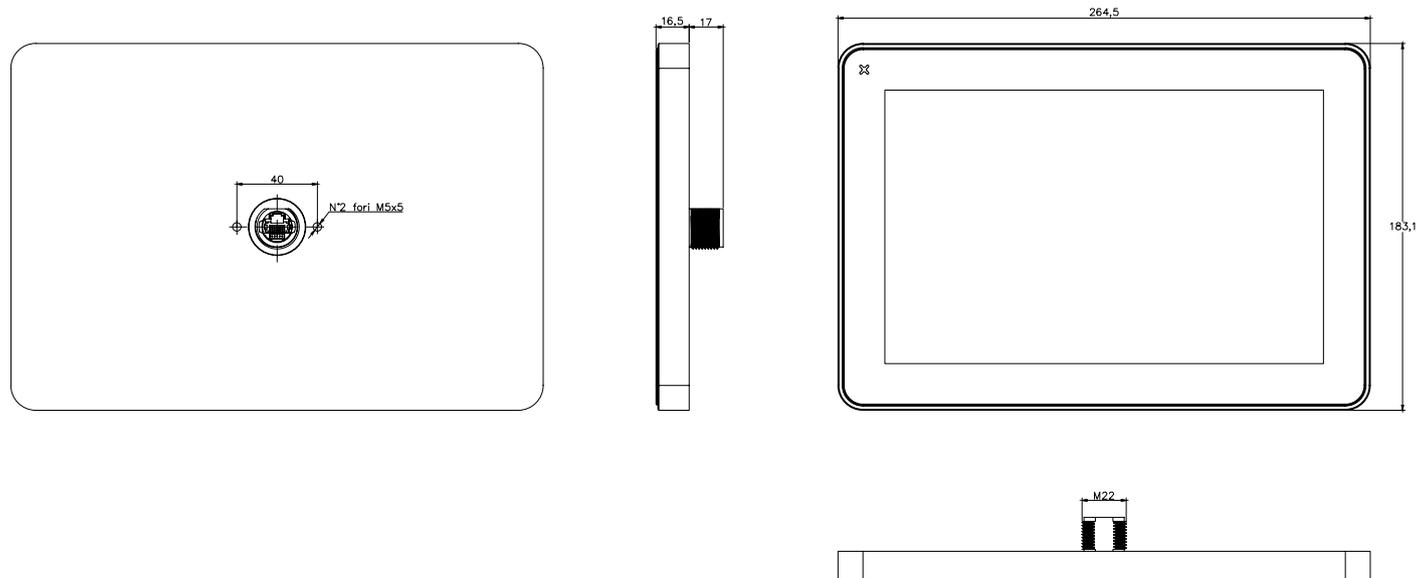
订货信息

型号	零件号	说明
JSmart707	+JS707BB1U5P1	Field-ready HMI 7" TFT with PCAP touchscreen, Ethernet port PoE

JSmart710 - 技术数据



System Resources	
Display - Colors	10.1" TFT – 16M
Resolution	1280x800
Brightness	400 cd/m ² typ.
Dimming	to 0%
Touchscreen	Projected Capacitive – Multitouch
CPU	ARM Cortex-A9 dual core - 800 MHz
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
FRAM	64 KB
Real Time Clock, RTC Back-up	Yes
Interface	
Ethernet port	10/100 PoE
USB port	1 (Host V2.0, max. 50 mA, available with special cable)
LED	1 RGB
Sensors	Temperature, 3-Axis Accelerometer
Wi-Fi	IEEE 802.11a/b/g
Buzzer	Yes
Ratings	
Power supply	IEEE 802.3af PoE
Power Consumption	12 W
Battery	Yes (rechargeable)
Environment Conditions	
Operating Temp	-20° to +55° C (vertical installation)
Storage Temp	-30°C to +80°C
Operating / Storage Humidity	5-85% RH, non-condensing
Protection Class	IP67 (requires appropriate accessories and cables) Type: 1, 12, 4x
Dimensions and Weights	
Faceplate LxH	264.5x183.1 mm (10.41x7.20")
Depth D+T+T	16.5 mm (0.06")
Weight	1.2 Kg
Approvals	
CE	EN 6231, EN 61010-1, EN IEC 61010-2-201 EN 61000-6-2, EN 61000-6-4, EN 61000-6-1, EN 61000-6-3, ETSI EN 301 489-1, ETSI EN 301 489-17 ETSI EN 300 328
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
RCM	Yes



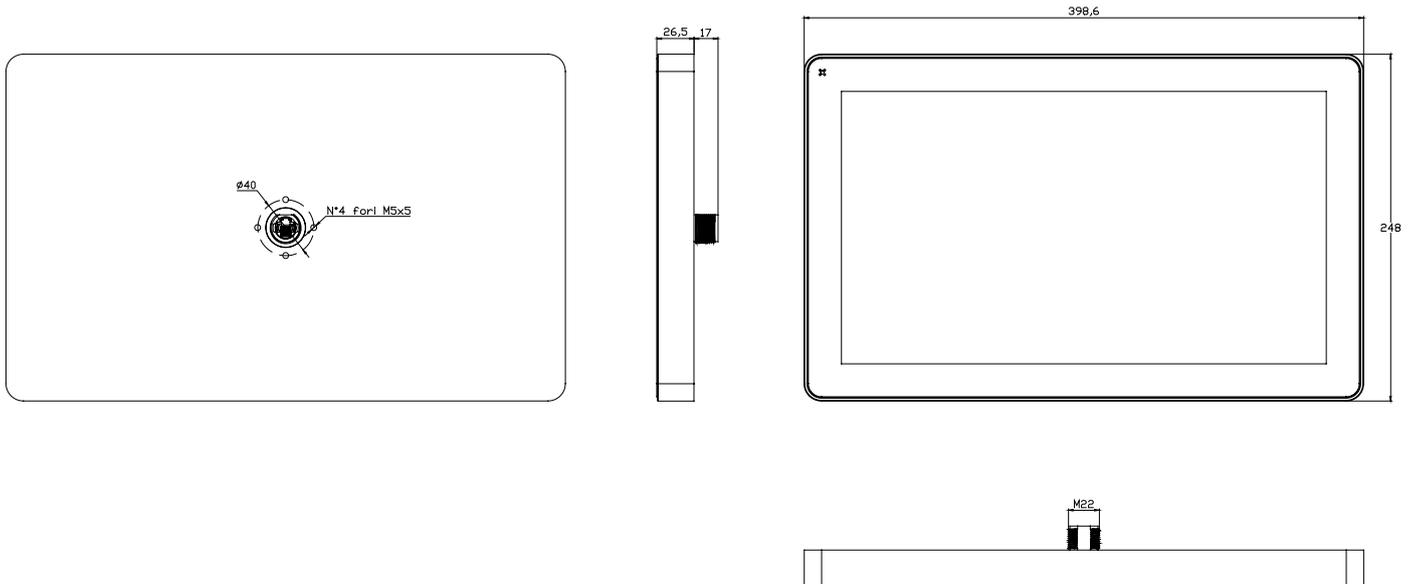
订货信息

型号	零件号	说明
JSmart710	+JS710BC1U5P1	Field-ready HMI 10.1" TFT with PCAP touchscreen, Ethernet port PoE

JSmart715 - 技术数据



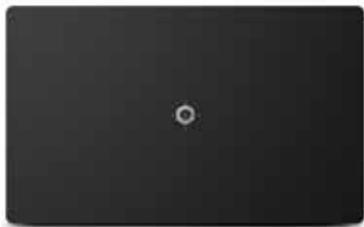
System Resources	
Display - Colors	15.6" TFT – 16M
Resolution	1366x768
Brightness	400 cd/m ² typ.
Dimming	to 0%
Touchscreen	Projected Capacitive – Multitouch
CPU	ARM Cortex-A9 quad core - 800 MHz
Operating System	Linux RT
Flash	8 GB
RAM	2 GB
FRAM	64 KB
Real Time Clock, RTC Back-up	Yes
Interface	
Ethernet port	10/100 PoE
USB port	1 (Host V2.0, max. 50 mA, available with special cable)
LED	1 RGB
Sensors	Temperature, 3-Axis Accelerometer
Wi-Fi	IEEE 802.11a/b/g
Buzzer	Yes
Ratings	
Power supply	IEEE 802.3at PoE+
Power Consumption	19 W
Battery	Yes (rechargeable)
Environment Conditions	
Operating Temp	-20° to +55° C (vertical installation)
Storage Temp	-30°C to +80°C
Operating / Storage Humidity	5-85% RH, non-condensing
Protection Class	IP67 (requires appropriate accessories and cables) Type: 1, 12, 4x
Dimensions and Weights	
Faceplate LxH	398.6x248 mm (15.69x 9.76")
Depth D+T+T	26.5 mm (1.04")
Weight	4.0 Kg
Approvals	
CE	EN 6231, EN 61010-1, EN IEC 61010-2-201 EN 61000-6-2, EN 61000-6-4, EN 61000-6-1, EN 61000-6-3, ETSI EN 301 489-1, ETSI EN 301 489-17 ETSI EN 300 328
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
RCM	Yes



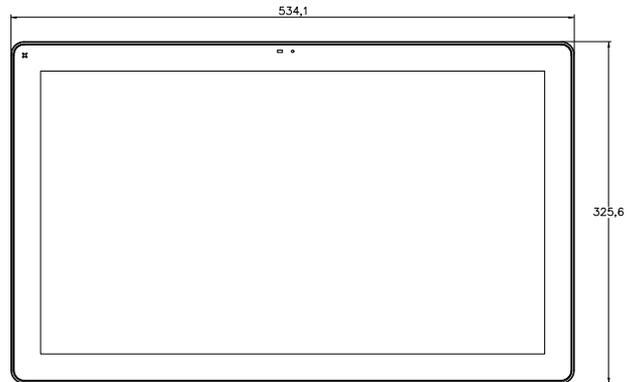
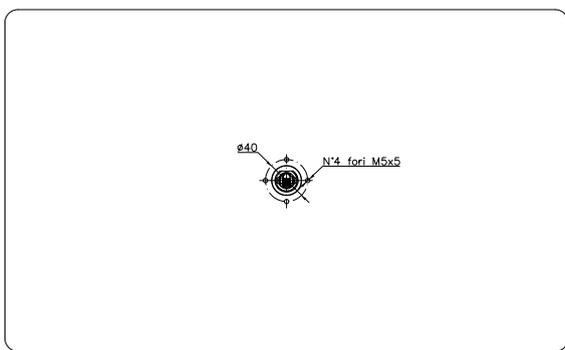
订货信息

型号	零件号	说明
JSmart715	+JS715CD1U5P1	Field-ready HMI 15.6" 1366x768 TFT with PCAP touchscreen, Ethernet port PoE

JSmart721 - 技术数据



System Resources	
Display - Colors	21.5" TFT – 16M
Resolution	1920x1080
Brightness	400 cd/m ² typ.
Dimming	to 0%
Touchscreen	Projected Capacitive – Multitouch
CPU	ARM Cortex-A9 quad core - 800 MHz
Operating System	Linux RT
Flash	8 GB
RAM	2 GB
FRAM	64 KB
Real Time Clock, RTC Back-up	Yes
Interface	
Ethernet port	10/100 PoE
USB port	1 (Host V2.0, max. 50 mA, available with special cable)
LED	1 RGB
Sensors	Temperature, 3-Axis Accelerometer
Wi-Fi	IEEE 802.11a/b/g
Buzzer	Yes
Ratings	
Power supply	IEEE 802.3bt 4PPoE
Power Consumption	32 W
Battery	Yes (rechargeable)
Environment Conditions	
Operating Temp	-20° to +55° C (vertical installation)
Storage Temp	-30°C to +80°C
Operating / Storage Humidity	5-85% RH, non-condensing
Protection Class	IP67 (requires appropriate accessories and cables) Type: 1, 12, 4x
Dimensions and Weights	
Faceplate LxH	534.1x325.6 mm (21.02x 12.81")
Depth D+T+T	26.5 mm (1.04")
Weight	6.0 Kg
Approvals	
CE	EN 6231, EN 61010-1, EN IEC 61010-2-201 EN 61000-6-2, EN 61000-6-4, EN 61000-6-1, EN 61000-6-3, ETSI EN 301 489-1, ETSI EN 301 489-17 ETSI EN 300 328
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
RCM	Yes



订货信息

型号	零件号	说明
JSmart721	+JS721CE1U5P1	Field-ready HMI 21.5" 1920x1080 TFT with PCAP touchscreen, Ethernet port PoE

JSmart 应用

1

选择适合您需要的面板尺寸和技术规格

2

浏览所提供的应用示例，以帮助您想象如何使用 JSmart

3

请参阅支架、电缆和PoE相关的页面

4

一个新的智能 HMI 现场，增强每天工作的体验



JSmart - 应用

管型附件用于 JSmart705, 707, 710

专为直管固定或更复杂弯曲等要求而设计，适用于5、7和10英寸面板，该应用可以达到 IP67 级别。



针对该应用你需要的部件：

管子支架



货号: +JSBRU001

管子支架



货号: +JSBRU002

PoE 注入器
DIN或面板安装



选择你的解决方案于 p.104

电缆



选择你的解决方案于 p.108

JSmart - 应用

管型附件用于JSmart715 和 721

专为直管固定或更复杂弯曲等要求而设计，适用于15和21英寸面板，该应用可以达到 IP67 级别。



针对该应用你需要的部件：

管子支架



货号: +JSBRU002

PoE 注入器
DIN 或面板安装



选择你的解决方案于 p.104

电缆



选择你的解决方案于 p.108

JSmart - 应用

墙壁附件用于 JSmart705, 707, 710

当需要简单而坚固地安装到墙壁或机柜上时，可用此应用。所有这些都是不会失去 JSmart 扁平外壳的重要性。该应用可以达到 IP67 级别。



针对该应用你需要的部件：

墙壁支架



货号: +JSBRU003

PoE 注入器
DIN 或面板安装



选择你的解决方案于 p.104

电缆



选择你的解决方案于 p.108

JSmart - 应用

墙壁附件用于 JSmart715 和 721

当需要简单而坚固地安装到墙壁或机柜上时，可用此应用。所有这些都是不会失去 JSmart 扁平外壳的重要性。该应用可以达到 IP67 级别。



针对该应用你需要的部件：

墙壁支架



货号: +JSBRU004

PoE 注入器
DIN 或面板安装



选择你的解决方案于 p.104

电缆

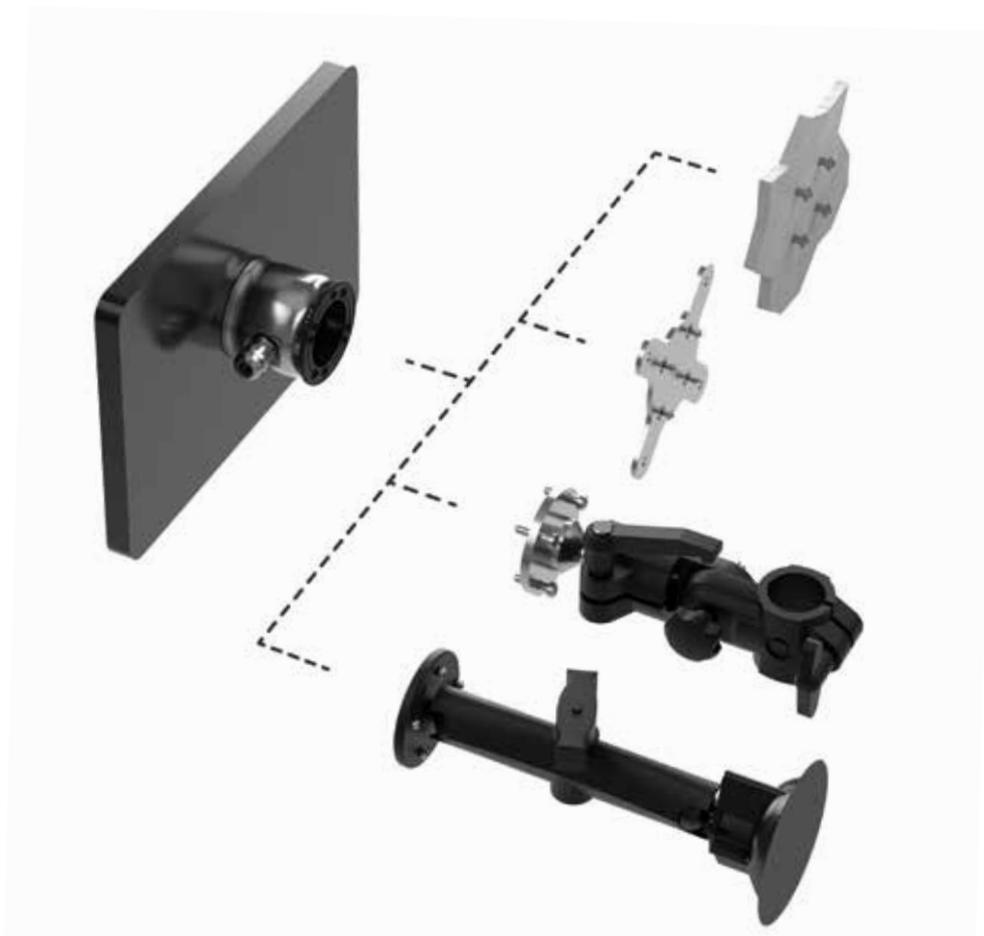


选择你的解决方案于 p.108

JSmart - 应用

多个使用附件用于JSmart705, 707, 710

对于某些通用类型的臂，以太网电缆的通过会受到阻碍。我们提供一个侧面输出和特殊电缆。该应用可以达到 IP67 级别。



针对该应用你需要的部件：

多用途支架带电缆密封压盖



货号: +JSBRU009

JSmart VESA适配器
支架



货号: +JSBRU008

PoE 注入器
DIN 或面板安装



选择你的解决方案于 p.104

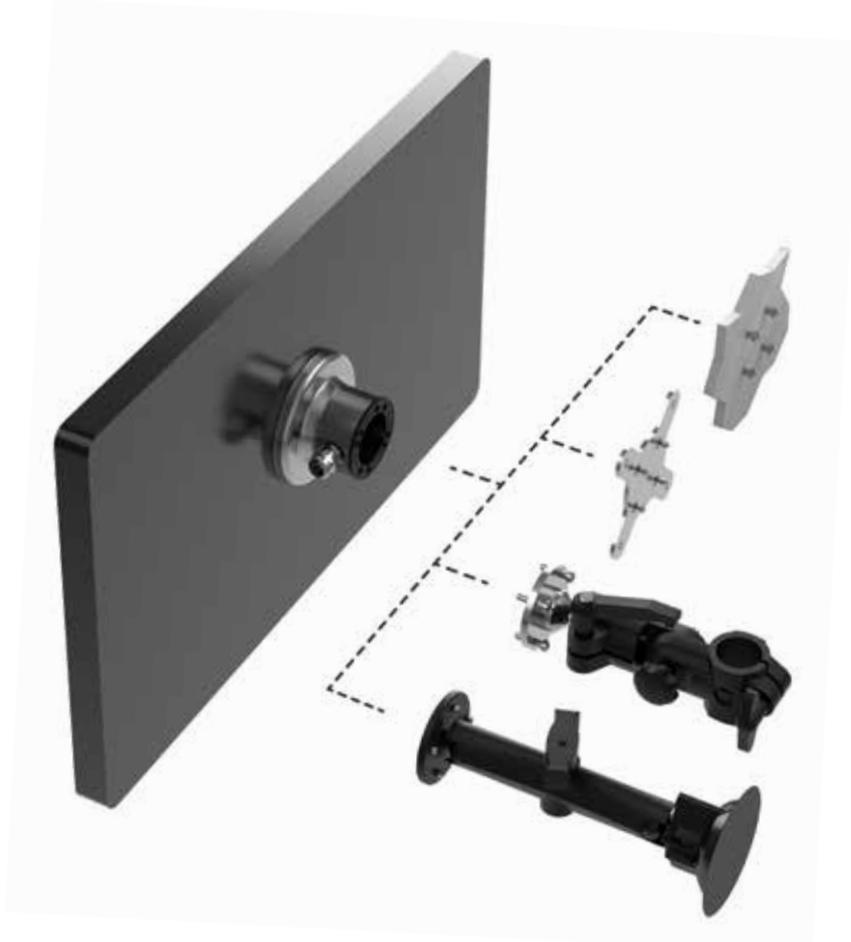
Ethernet 电缆



选择你的解决方案于 p.108

多个使用附件用于 JSmart715 和 721

对于某些通用类型的臂，以太网电缆的通过会受到阻碍。我们提供一个侧面输出和特殊电缆。该应用可以达到 IP67 级别。



针对该应用你需要的部件：

多用途支架带电缆密封压盖



货号: +JSBRU010

JSmart VESA适配器
支架



货号: +JSBRU008

PoE 注入器
DIN 或面板安装



选择你的解决方案于 p.104

Ethernet 电缆



选择你的解决方案于 p.108

JSmart - 应用

桌面支架用于JSmart所有尺寸

JSmart是典型的“傻瓜Web浏览器”。除了可以用于工厂车间的高温 and 灰尘环境下之外，还可以使用多年。这款台式电脑桌架和鼠标USB电缆允许用于非常时尚的方式中。该应用可以达到IP67级别。



针对该应用你需要的部件：

JSmart 桌面支架



货号: +JSBRU006

PoE 注入器
DIN 或面板安装



选择你的解决方案于 p.104

电缆 PoE - USB

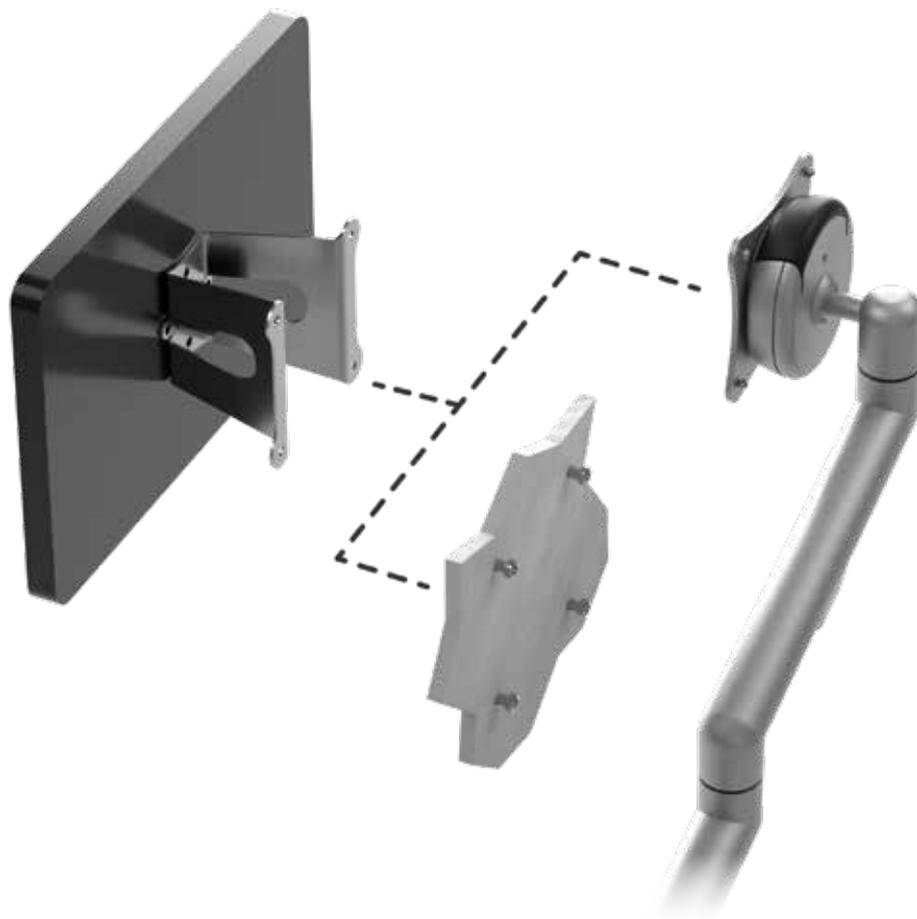


货号: +JSCAU003

JSmart - 应用

VESA附件用于JSmart所有尺寸

在根本不需要电缆穿过墙壁的情况下，可以使用此支架。该应用可以达到 IP67 级别。



针对该应用你需要的部件：

JSmart VESA 支架



货号: +JSBRU005

PoE 注入器
DIN 或面板安装



选择你的解决方案于 p.104

电缆



选择你的解决方案于 p.108

JSmart - 应用

鹅颈附件用于JSmart 705, 707, 710

鹅颈管允许JSmart用于远离工业环境的许多不同情况。



针对该应用你需要的部件：

鹅颈支架



货号: +JSBRU007

PoE 注入器
DIN 或面板安装



选择你的解决方案于 p.104

JSmart 附件



PoE 注入器

您可以在JSmart PoE注入器DIN导轨安装和JSmart PoE注入器面板安装之间选择。

JSmart PoE注入器
DIN导轨安装



货号: +JSPOU0P1

JSmart PoE注入器
面板安装

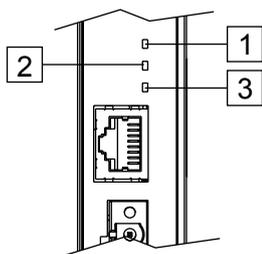


货号: +JSPOU0P2

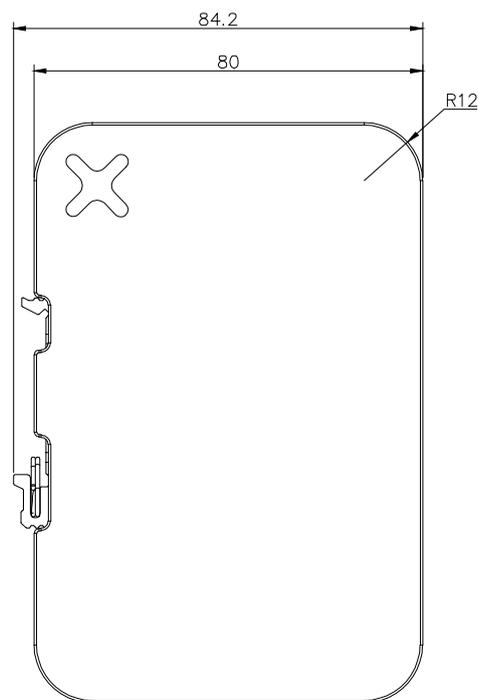
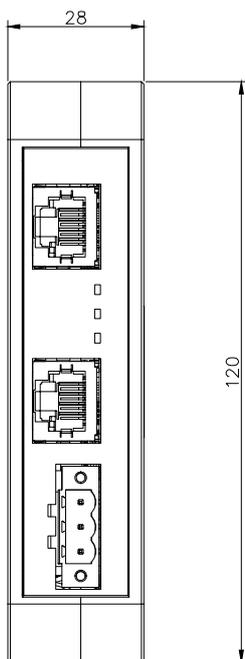
JSmart PoE 注入器DIN导轨安装



Features	
PoE Standard	IEEE 802.3af/at
Output Power	36W max
DC Output Voltage	+54 Vdc
Data rates	10/100
Interface	
Ethernet IN port	10/100
Ethernet OUT port	10/100 PoE
Diagnostic LEDs	3
Ratings	
Power Supply	+24 Vdc (18-32 Vdc)
Current Consumption	2.0 A at 24 Vdc (max.)
Efficiency	80% typ
Over Voltage / Current Protection	Yes
Short Circuit Protection	Yes
Reverse Polarity	Yes
Environment Conditions	
Operating Temp	-20°C to +55° C
Storage Temp	-30°C to +80°C
Operating / Storage Humidity	5-85% RH, non-condensing
Protection Class	IP20 EN60529
Dimensions and Weights	
Faceplate LxH	80x120 mm
Depth D	28 mm
Weight	350 g
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environment
UL	cULus: UL61010-1 / UL61010-2-201
RCM	Yes



LED	颜色	规格
1	红色	故障
2	绿色	状态: PoE运行
	红色, 慢闪	状态: 过载
	红色, 快闪	状态: 过温
3	绿色	电源ON



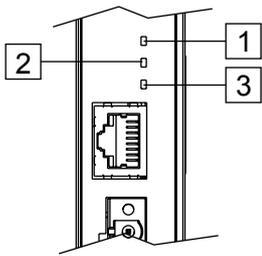
订货信息

型号	零件号	说明
JSmart PoE	+JSP0U0P1	JSmart PoE Injector DIN rail mounting

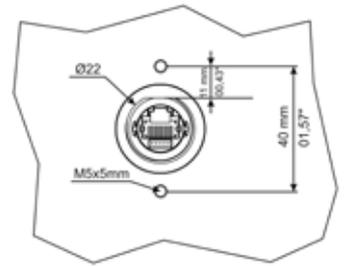
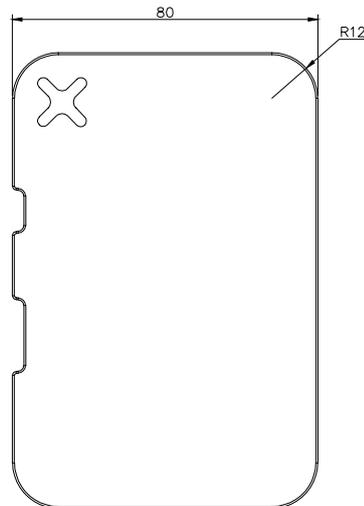
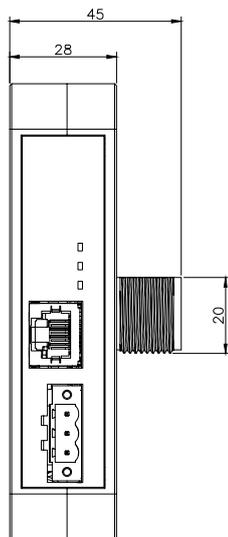
JSmart PoE注入器面板安装



Features	
PoE Standard	IEEE 802.3af/at
Output Power	36W max
DC Output Voltage	+54 Vdc
Data rates	10/100
Interface	
Ethernet IN port	10/100
Ethernet OUT port	10/100 PoE
Diagnostic LEDs	3
Ratings	
Power Supply	+24 Vdc (18-32 Vdc)
Current Consumption	2.0 A at 24 Vdc (max.)
Efficiency	80% typ
Over Voltage / Current Protection	Yes
Short Circuit Protection	Yes
Reverse Polarity	Yes
Environment Conditions	
Operating Temp	-20°C to +55° C
Storage Temp	-30°C to +80°C
Operating / Storage Humidity	5-85% RH, non-condensing
Protection Class	IP20 EN60529
Dimensions and Weights	
Faceplate LxH	80x120 mm
Depth D	28 mm
Weight	350 g
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environment
UL	cULus: UL61010-1 / UL61010-2-201
RCM	Yes



LED	颜色	规格
1	红色	故障
2	绿色	状态: PoE运行
	红色, 慢闪	状态: 过载
	红色, 快闪	状态: 过温
3	绿色	电源ON



订货信息

型号	零件号	说明
JSmart PoE	+JSP0U0P2	JSmart PoE注入器面板安装

JSmart - 附件

管子支架

管子支架

37 mm 距离管子,
48 mm 管子固定, 包
括所有垫圈和螺钉,
IP67 等级



货号: +JSBRU001

管子支架

50 mm 距离管子,
48 mm 管子固定, 包
括所有垫圈和螺钉,
IP67 等级



货号: +JSBRU002

支架用于 705, 707, 710

墙壁支架

50 mm 距离墙壁, 包
括所有垫圈和螺钉,
IP67 等级



货号: +JSBRU003

多用途支架带电 缆密封压盖

50 mm 距离墙壁, 包括所有
垫圈和螺钉, IP67 等级



货号: +JSBRU009

支架用于JSmart 715, 721

墙壁支架

50 mm 距离墙壁, 包
括所有垫圈和螺钉,
IP67 等级



货号: +JSBRU004

多用途支架带电 缆密封压盖

50 mm 距离墙壁, 包括所有
垫圈和螺钉, IP67 等级



货号: +JSBRU010

JSmart - 附件

电缆

电缆 90° PoE - 5 m



货号: +JSCAU001

电缆 PoE - USB - 5 m



货号: +JSCAU003

电缆 PoE - 5 m



货号: +JSCAU002

电缆 PoE - 5 m



货号: +JSCAU004

JSmart - 附件 其它

JSmart VESA 支架

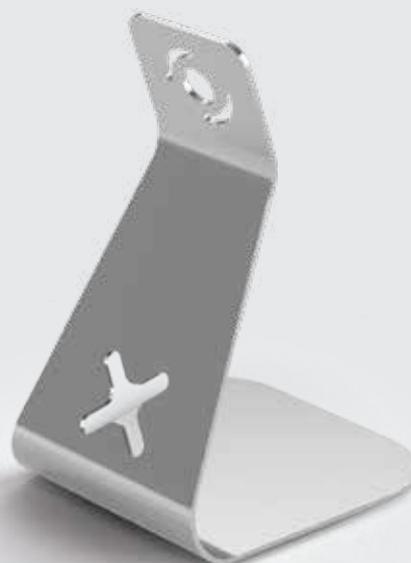
70 mm 距离墙壁, 包括所有垫圈和螺钉



货号: +JSBRU005

JSmart 桌面支架

用于桌面, 51.7 mm 高, 完美的高度易于使用



货号: +JSBRU006

鹅颈支架

570 mm 高, 多面板灵活性, IP20 等级, 5 m 电缆包含



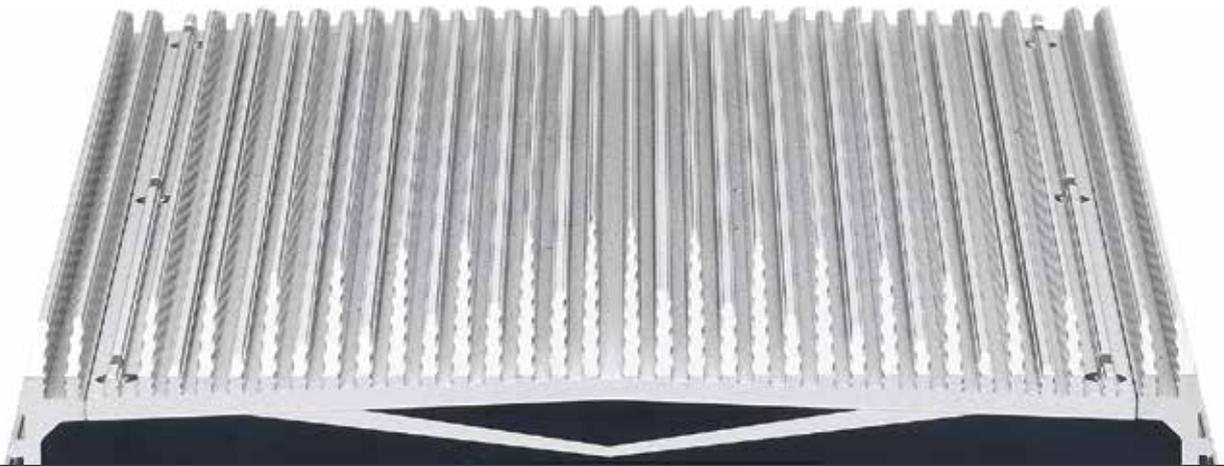
货号: +JSBRU007

JSmart VESA适配器支架



货号: +JSBRU008

工业电脑 (IPC)



EPC - 入门级工业平板电脑(IPC)

Fanless Panel PC

EXOR无风扇工业平板电脑采用了多合一的概念，其在一个整洁又紧凑的IP65机箱中集成了单板计算机、带LED背光的TFT LCD面板、和用户友好的触摸屏。

专门用作柔性又可靠的工业计算平台，每个工业平板PC和显示器都是一台紧凑的、高度集成的、可联网的计算机，具有出色的I/O连接性。EXOR的工业级机械计算机设计用于任何轻工业环境。



概述

所有产品都具有广泛而灵活的一系列配置。您将拥有适合您需求的产品。

所有产品均具有鲁棒性的机械结构，适合最苛刻的应用。

产品可以配置为一系列具有不同的CPU、RAM、磁盘和操作系统的产品。

EXOR提供的PC是理想的系统用于运行基于JMobile PC Runtime的应用程序。

在嵌入式HMI不能满足所有要求的情况下，都可以使用将HMI集成到功能强大硬件平台上的应用程序。

eTOP-EPC0840T - 技术数据



Panel

- LCD size: 8", 4:3
- Resolution: SVGA 800 x 600
- Luminance: 400 cd/m²
- Contrast ratio: 500
- LCD color: 262K
- Viewing angle: 50(U), 70(D), 70(L), 70(R)
- Backlight: LED

Touch screen

- 5-wire resistive (flush panel type)
- Touch light transmission: 82%
- Touch interface: USB

System

- CPU: on-board Intel® Atom™ dual core processor E3826, 1.46GHz, 1M L2 cache
- BIOS: AMI BIOS
- System memory: 1x 204-pin DDR3L SO-DIMM socket, 2GB DDR3L (default), support up to 8GB DDR3L-1066/1333, non-ECC and un-buffered
- Storage device:
 - 1 x external locked CFast socket
 - 1 x hard drive bay: optional 1 x 2.5" SATA HDD or 1 x SATA DOM
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/W status monitor: monitoring system temperature, and voltage
- Expansion: 1 x mini-PCIe socket1 (support optional Wi-Fi, 3.5G module or fieldbus card)

Rear I/O

- Ethernet: 2 x RJ45
- 2nd display VGA port: 1 x DB15
- Audio port: 1 x Line-out
- USB: 3 x USB 2.0; 1 x USB 3.0
- Power switch
- Remote power switch
- Reset button
- COM #1: RS232/422/485
- COM #2: RS232/422/485
- Fieldbus: (protocol interface optional)

Audio

- HD codec: realtek ALC886-GR
- Audio interface: Line-out audio jack

Ethernet

- LAN chip: dual Intel® I210AT Gigabit LAN
- Ethernet interface: 10/100/1000 Base-Tx Ethernet compatible

Mechanical & Environment

- Color: Pantone black
- IP protection: IP65 front
- Mounting: panel/wall/stand/VESA 75mm x 75mm
- System with panel mounting kit w/o panel mounting hole
- Power input: 12~30VDC
- Power adapter: optional AC to DC power adapter (+12V, 60W)
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD: 20G@wall mount, half sine, 11ms
- Operating temperature: -5°C to 50°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing limits to be at 90% RH at max 50°C
- Dimension: 217.4x176.4x68.9mm
- Weight: 2.3Kg

Certifications

- CE approval
- FCC Class A

OS Support Lists

- Windows 10 IoT 32bit/64 bit
- Windows 7 32-bit/64-bit



订货信息

型号	零件号	说明
eTOP-EPC0840T	+71EPC0840T	8" TFT SVGA 4:3 Flush Panel PC with Intel® Atom™ E3826, 1.46GHz, Touch Screen, 2GB DDR3L, 4x USB, 2x COM and VGA

eTOP-EPC1245T 技术数据



Panel

- LCD size: 12.1", 4:3
- Resolution: XGA 1024 x 768
- Luminance: 500cd/m²
- Contrast ratio: 700
- LCD color: 16.7M
- Viewing angle: 70(U), 70(D), 80(L), 80(R)
- Backlight: LED

Touch Screen

- 5-wire resistive (flush panel type)
- Light transmission: 80%
- Interface: USB



System

- CPU: on-board Intel® Celeron® Quad Core processor J1900, up to 2.0GHz, 2M L2 cache
- BIOS: AMI BIOS
- System memory: 2 x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 8GB DDR3L-1066/1333, non-ECC and un-buffered
- Storage device:
 - 1x External locked CFast socket
 - 1x Hard drive bay: optional 1x 2.5" SATA HDD or 1x SATA DOM
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/W status monitor: monitoring system temperature, and voltage
- Expansion: 2 x mini-PCIe sockets (support optional Wi-Fi, 3.5G module)



Rear I/O

- Ethernet: 2x RJ45
- 2nd display VGA port: 1 x DB15
- Audio port: 1 x Line-out
- USB: 2x USB 2.0 + 1x USB 3.0
- Power switch
- Reset button
- 2-Pin remote power on/off switch

- COM #1: RS232/422/485 w/ 2.5kv isolated
- COM #2: RS232/422/485 w/ 2.5kv isolated

Audio

- HD audio codec: realtek ALC886-GR
- Audio interface: Line-out

Ethernet

- LAN chip: dual Intel® I210-AT Gigabit LAN
- Ethernet interface: 10/100/1000 Base-Tx Ethernet compatible

Mechanical & Environment

- Color: Pantone black\RAL 15 00 front bezel w/ Pantone 400C\RAL 090 80 10 metal style membrane and black silver PC box
- IP protection: IP65 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power
 - Powerinput: 12V~30VDC
 - Poweradapter: optional AC to DC power adapter (+12V, 60W)
- Vibration: IEC682-64(w/HDD)
 - 1Grms@sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms@sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms@random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock: IEC682-27
 - HDD: 20G@wallmount, halfsine, 11ms
- Temperature
 - Operating temperature: -5°C~60°C
 - Storage temperature: -20°C~75°C
- Operating humidity: 10%~90% relative humidity, non-condensing limits to be at 90% RH at max 50°C
- Dimension: 317 x 243 x 65.5 mm
- Weight: 3.6 kg

Certifications

- CE approval
- FCC Class A

订货信息

型号	零件号	说明
eTOP-EPC1245T	+71EPC1245TJ	12.1" TFT XGA 4:3 Flush Panel PC with Intel® Celeron® J1900, up to 2.0GHz, Touch Screen, 4GB DDR3L, 3 x USB, 2 x COM

eTOP-EPC1540T - 技术数据



Panel

- LCD size: 15", 4:3
- Resolution: XGA 1024 x 768
- Luminance: 400cd/m2
- Contrast ratio: 2500
- LCD color: 16.7M
- Viewing angle: 88 (U), 88 (D), 88 (L), 88 (R)
- Backlight: LED

Touch Screen

- 5-wire resistive (flush panel type)
- Light transmission: 81%
- Interface: USB



System

- CPU: on-board Intel® Celeron® Quad Core processor J1900 processor, up to 2.42GHz, 2M L2 cache
- BIOS: AMI BIOS
- System memory: 2 x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 8GB DDR3L-1066/1333, non-ECC and un-buffered
- Storage device:
 - 1 x external locked CFast socket
 - 1 x hard drive bay: optional 1 x 2.5" SATA HDD or 1 x SATA DOM
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/W status monitor: monitoring system temperature, and voltage
- Expansion: 2 x mini-PCIe sockets (support optional Wi-Fi, 3.5G module)



Rear I/O

- Ethernet: 2 x RJ45
- 2nd display VGA port: 1 x DB15
- Audio port: 1 x Line-out
- USB: 2 x USB 2.0, 1 x USB 3.0
- Power switch
- Reset button
- 2-pin remote power on/off switch
- COM #1: RS232/422/485 w/ 2.5kv isolated

- COM #2: RS232/422/485 w/ 2.5kv isolated

Audio

- HD audio codec: realtek ALC886-GR
- Audio interface: Line-out

Ethernet

- LAN chip: dual Intel® I210AT Gigabit LAN
- Ethernet interface: 10/100/1000 Base-Tx Ethernet compatible

Mechanical & Environment

- Color: Pantone black\RAL 15 00 front bezel w/ Pantone 400C\RAL 090 80 10 metal style membrane and black silver PC box
- IP protection: IP65 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power input: 12V~30VDC
- Power adapter: optional AC to DC power adapter (+12V, 60W)
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD: 20G@wall mount, half sine, 11ms
- Operating temperature: -5°C to 60°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing limits to be at 90% RH at max 50°C
- Dimension: 384.37 x 309.95 x 63.2 mm
- Weight: 5.1 Kg

Certifications

- CE approval
- FCC Class A

OS Support Lists

- Windows 7 32-bit/64-bit
- Windows 10 IoT 32bit/64 bit

订货信息

型号	零件号	说明
eTOP-EPC1540T	+71EPC1540TJ	15" TFT XGA 4:3 Flush Panel PC with Intel® Celeron® J1900, up to 2.42GHz, Touch Screen, 4GB DDR3L, 3 x USB, 2 x COM

eTOP-EPC1740T - 技术数据

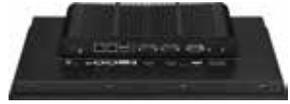


Panel

- LCD size: 17", 4:3
- Resolution: SXGA 1280 x 1024
- Luminance: 350cd/m²
- Contrast ratio: 800
- LCD color: 16.7M
- Viewing angle: 60 (U), 80 (D), 80 (L), 80 (R)
- Backlight: LED

Touch Screen

- 5-wire resistive (flush panel type)
- Light transmission: 81%
- Interface: USB



System

- CPU: on-board Intel® Celeron® Quad Core processor J1900, up to 2.42GHz, 2M L2 Cache
- BIOS: AMI BIOS
- System memory: 2 x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 8GB DDR3L-1066/1333, non-ECC and un-buffered
- Storage device:
 - 1 x external locked CFast socket
 - 1 x hard drive bay: optional 1 x 2.5" SATA HDD or 1 x SATA DOM
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C) H/W status monitor: monitoring system temperature, and voltage
- Expansion: 2 x mini-PCIe sockets (support optional Wi-Fi, 3.5G module)



Rear I/O

- Ethernet: 2 x RJ45
- 2nd display VGA port: 1 x DB15
- Audio port: 1 x Line-out
- USB: 2 x USB 2.0, 1 x USB 3.0
- Power switch
- Reset button
- 2-pin remote power on/off switch
- COM #1: RS232/422/485 w/ 2.5kv isolated
- COM #2: RS232/422/485 w/ 2.5kv isolated

Audio

- HD audio codec: realtek ALC886-GR
- Audio interface: Line-out

Ethernet

- LAN chip: dual Intel® I210AT Gigabit LAN
- Ethernet interface: 10/100/1000 Base-Tx Ethernet compatible

Mechanical & Environment

- Color: Pantone black\RAL 15 00 front bezel w/ Pantone 400C\RAL 090 80 10 metal style membrane and black silver PC box
- IP protection: IP65 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power input: 12V~30VDC
- Power adapter: optional AC to DC power adapter (+12V, 60W)
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD: 20G@wall mount, half sine, 11ms
- Operating temperature: -5°C to 60°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing limits to be at 90% RH at max 50°C
- Dimension: 410.4 x 340.4 x 65.9mm
- Weight: 6.7 Kg

Certifications

- CE approval
- FCC Class A

OS Support Lists

- Windows 7 32-bit/64-bit
- Windows 10 IoT 32bit/64 bit

订货信息

型号	零件号	说明
eTOP-EPC1740T	+71EPC1740TJ	17" TFT SXGA 4:3 Flush Panel PC with Intel® Celeron® J1900, up to 2.42GHz, Touch Screen, 4GB DDR3L, 3 x USB, 2 x COM

eTOP-EPC1940T - 技术数据



Panel

- LCD size: 19", 4:3
- Resolution: SXGA 1280 x 1024
- Luminance: 350cd/m2
- Contrast ratio: 1000
- LCD color: 16.7M
- Viewing angle: 80 (U), 80 (D), 85 (L), 85 (R)
- Backlight: LED

Touch Screen

- 5-wire resistive (flush panel type)
- Light transmission: 81%
- Interface: USB

System

- CPU: on-board Intel® Celeron® Quad Core processor J1900, up to 2.42GHz, 2M L2 cache
- BIOS: AMI BIOS
- System memory: 2 x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 8GB DDR3L-1066/1333, non-ECC and un-buffered
- Storage device
 - 1 x External locked CFast socket
 - 1 x Hard drive bay: optional 1 x 2.5" SATA HDD or 1 x SATA DOM
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/W status monitor: monitoring system temperature, and voltage
- Expansion: 2 x mini-PCIe sockets (support optional Wi-Fi, 3.5G module)

Rear I/O

- Ethernet: 2 x RJ45
- 2nd display VGA port: 1 x DB15
- Audio port: 1 x Line-out
- USB: 2 x USB 2.0, 1 x USB 3.0
- Power switch
- Reset button
- 2-Pin remote power on/off switch
- COM #1: RS232/422/485 w/2.5kv isolated
- COM #2: RS232/422/485 w/2.5kv isolated

Audio

- HD audio codec: realtek ALC886-GR
- Audio interface: Line-out

Ethernet

- LAN chip: dual Intel® I210AT Gigabit LAN
- Ethernet interface: 10/100/1000 Base-Tx Ethernet compatible

Mechanical & Environment

- Color: Pantone black\RAL 15 00 front bezel w/ Pantone 400C\RAL 090 80 10 metal style membrane and black silver PC box
- IP protection: IP65 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power input: 12V~30VDC
- Power adapter: optional AC to DC power adapter (+12V, 60W)
- Vibration:
 - IEC 68 2-64 (w/HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD: 20G@wall mount, half sine, 11ms
- Operating temperature: -5°C~50°C
- Storage temperature: -20°C~60°C
- Operating humidity: 10%~90% relative humidity, non-condensing limits to be at 90% RH at max 50°C
- Dimension: 457.64 x 379.24 x 61.25 mm
- Weight: 6.3Kg

Certifications

- CE approval
- FCC Class A

OS Support Lists

- Windows 7 32-bit/64-bit
- Windows 10 IoT 32bit /64 bit



订货信息

型号	零件号	说明
eTOP-EPC1940T	+71EPC1940TJ	19" TFT SXGA 4:3 Flush Panel PC with Intel® Celeron® J1900, up to 2.42GHz, Touch Screen, 4GB DDR3L, 3 x USB, 2 x COM

IPC - 高端工业平板电脑

重载工业平板电脑

EXOR重载工业平板电脑装备功能强大的 Intel® 处理器, TFT LCD 面板带 LED 背光, 和用户友好的触摸设计。

EXOR工业平板电脑提供扩展插槽用于添加板于 IP66 重载铝合金前端凹槽和抗振, 它坚固的铝合金机箱设计特别适用于任何恶劣的工业环境。



概述

所有产品都具有广泛而灵活的一系列配置。您将拥有适合您需求的产品。

所有产品均具有鲁棒性的机械结构, 适合最苛刻的应用。

产品可以配置为一系列具有不同的CPU、RAM、磁盘和操作系统的产品。

EXOR提供的PC是理想的系统用于运行基于JMobile PC Runtime的应用程序。

在嵌入式HMI不能满足所有要求的情况下, 都可以使用将HMI集成到功能强大硬件平台上的应用程序。

eTOP-IPC1040P - 技术数据



Panel

- LCD size: 10.1", 16:9
- Resolution: WXGA 1280 x 800
- Luminance: 300cd/m²
- Contrast ratio: 1300:1
- LCD color: 262K
- Viewing angle: 85 (U), 85 (D), 85 (L), 85 (R)
- Backlight: LED

Touch

- Ten points P-Cap (projected capacitive touch)
- Touch light transmission: 90%
- Anti-scratch surface: 7H hardness
- Touch interface: USB

System

- CPU: onboard Intel® Celeron® Quad Core processor J1900, 2.0GHz, 2M L2 Cache (maximum frequency 2.42GHz if turbo boost enabled)
- BIOS: AMI BIOS
- System memory: 2 x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 8GB DDR3L-1066/1333, non-ECC and un-buffered
- Storage device:
 - 1 x External locked CFast socket
 - 1 x Hard drive bay: optional 1 x 2.5" SATA HDD or 1 x SATA DOM
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/ W status monitor: monitoring system temperature, and voltage
- Expansion: 2 x mini-PCIe sockets (support optional Wi-Fi, 3.5G module)
- Front LED indicator to show operating status

Rear I/O

- Ethernet: 2 x RJ45
- 2nd display VGA port: 1 x DB15
- Audio port: 1 x Line-out
- USB: 2 x USB 2.0, 1 x USB 3.0
- 2-pin remote power on/off switch
- Power switch
- Reset button

- COM #1: RS232/422/485 w/ 2.5kv isolated
- COM #2: RS232/422/485 w/ 2.5kv isolated

Audio

- HD codec: Realtek ALC886-GR
- Audio interface: Line-out audio jack

Ethernet

- LAN chip: dual Intel® I210AT Gigabit LAN
- Ethernet interface: 10/100/1000 based-Tx Ethernet compatible

Mechanical & Environment

- Color: Pantone 432C/RAL 70 24 front bezel
- IP protection: IP66 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- System with panel mounting kit w/o panel mounting hole
- Power input: 12~30VDC
- Power adapter: optional AC to DC power adapter (+12V, 60W)
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD: 20G@wall mount, half sine, 11ms
- Operating temperature: -10°C to 60°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 308 x 223 x 60.7mm
- Weight: 3.7Kg

Certifications

- CE (including EN61000-6-2/EN61000-6-4)
- FCC class A

OS Support Lists

- Windows 7 PRO, 32bit/64bit
- Windows Embedded Standard 7, 32bit/64bit
- Windows 10 IoT, 32bit/64bit



订货信息

型号	零件号	说明
eTOP-IPC1040P	+72IPC1040P	10.1" TFT WXGA 16:9 Heavy Industrial Panel PC with Intel® Celeron® Quad Core Processor J1900, up to 2.42GHz, Multi-Touch Screen, 4GB DDR3L, 3 x USB, 2 x COM

eTOP-IPC1640P - 技术数据



Panel

- LCD size: 15.6", 16:9
- Resolution: WXGA 1366 x 768
- Luminance: 400cd/m²
- Contrast ratio: 500
- LCD color: 16.7M
- Viewing angle: 80 (U), 80 (D), 85 (L), 85 (R)
- Backlight: LED

Touch

- Ten points P-Cap (projected capacitive touch)
- Touch light transmission: 87%
- Anti-scratch surface: 7H hardness
- Touch interface: USB

System

- CPU: onboard Intel® Celeron® Quad Core processor J1900, 2.0GHz, 2M L2 Cache (maximum frequency 2.42GHz if turbo boost enabled)
- BIOS: AMI BIOS
- System memory: 2 x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 8GB DDR3L-1066/1333, non-ECC and un-buffered
- Storage device:
 - 1 x External locked CFast socket
 - 1 x Hard drive bay: optional 1 x 2.5" SATA HDD or 1 x SATA DOM
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/ W status monitor: monitoring system temperature, and voltage
- Expansion: 2 x mini-PCIe sockets (support optional Wi-Fi, 3.5G module)
- Front LED indicator to show operating status

Rear I/O

- Ethernet: 2 x RJ45
- 2nd display VGA port: 1 x DB15
- Audio port: 1 x Line-out
- USB: 2 x USB 2.0, 1 x USB 3.0
- 2-pin remote power on/off switch
- Power switch

- Reset button
- COM #1: RS232/422/485 w/ 2.5kv isolated
- COM #2: RS232/422/485 w/ 2.5kv isolated

Audio

- HD codec: Realtek ALC886-GR
- Audio interface: Line-out audio jack

Ethernet

- LAN chip: dual Intel® I210AT Gigabit LAN
- Ethernet interface: 10/100/1000 based-Tx Ethernet compatible

Mechanical & Environment

- Color: Pantone 432C/RAL 70 24 front bezel
- IP protection: IP66 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- System with panel mounting kit w/o panel mounting hole
- Power input: 12~30VDC
- Power adapter: optional AC to DC power adapter (+12V, 60W)
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD: 20G@wall mount, half sine, 11ms
- Operating temperature: -10°C to 60°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 417.4 x 312.4 x 63.75mm
- Weight: 6.4Kg

Certifications

- CE (including EN61000-6-2/EN61000-6-4)
- FCC class A

OS Support Lists

- Windows 7 PRO, 32bit/64bit
- Windows Embedded Standard 7, 32bit/64bit
- Windows 10 IoT, 32bit/64bit



订货信息

型号	零件号	说明
eTOP-IPC1640P	+72IPC1640P	15.6" TFT WXGA 16:9 Heavy Industrial Panel PC with Intel® Celeron® Quad Core Processor J1900, up to 2.42GHz, Multi-Touch Screen, 4GB DDR3L, 3 x USB, 2 x COM

eTOP-IPC1840P - 技术数据



Panel

- LCD size: 18.5", 16:9
- Resolution: WXGA 1366 x 768
- Luminance: 300cd/m2
- Contrast ratio: 1000
- LCD color: 16.7M
- Viewing angle: 80 (U), 80 (D), 85 (L), 85 (R)
- Backlight: LED

Touch

- Ten points P-Cap (projected capacitive touch)
- Touch light transmission: 87%
- Anti-scratch surface: 7H hardness
- Touch interface: USB
- Windows 8 compliance



System

- CPU: onboard Intel® Celeron® Quad Core processor J1900, 2.0GHz,
- 2M L2 Cache (maximum frequency 2.42GHz if turbo boost enabled)
- BIOS: AMI BIOS
- System memory: 2 x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 8GB DDR3L-1066/1333, non-ECC and un-buffered
- Storage device:
 - 1x External locked CFast socket
 - 1x Hard drive bay: optional 1 x 2.5" SATA HDD or 1 x SATA DOM
- Watchdog timer: watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/W status monitor: monitoring system temperature, and voltage
- Expansion: 2 x mini-PCIe sockets (support optional Wi-Fi, 3.5G module or fieldbus card)
- Panel backlight control button: increase brightness/decrease brightness/backlight on/off
- Front logo LED indicator to show operating status

Rear I/O

- Ethernet: 2 x RJ45
- 2nd display VGA port: 1 x DB15
- Audio port: 1x Line-out
- USB: 2 x USB 2.0, 1 x USB 3.0

- 2-pin remote power on/off switch
- Power switch
- Reset button
- COM #1: RS232/422/485 w/ 2.5kv isolated
- COM #2: RS232/422/485 w/ 2.5kv isolated
- Fieldbus: (protocol interface optional)

Audio

- HD codec: Realtek ALC886-GR
- Audio interface: Line-out audio jack

Ethernet

- LAN chip: dual Intel® I210AT Gigabit LAN
- Ethernet interface: 10/100/1000 Base-Tx Ethernet compatible

Mechanical & Environment

- Color: Pantone 425C\RAL 70 24 front bezel
- IP protection: IP66 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- System with panel mounting kit w/o panel mounting hole
- Power input: 12~30VDC
- Power adapter: optional AC to DC power adapter (+12V, 60W)
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD: 20G@wall mount, half sine, 11ms
- Operating temperature: -10°C to 60°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 490.8 x 320.6 x 62.65mm
- Weight: 8.2Kg

Certifications

- CE (including EN61000-6-2/EN61000-6-4)
- FCC class A

OS Support Lists

- Windows 7 PRO, 32bit/64bit
- Windows Embedded Standard 7, 32bit/64bit
- Windows 10 IoT, 32bit/64bit

订货信息

型号	零件号	说明
eTOP-IPC1840P	+72IPC1840P	18.5" TFT WXGA 16:9 Heavy Industrial Panel PC with Intel® Celeron® Quad Core Processor J1900, up to 2.42GHz, Multi-Touch Screen, 4GB DDR3L, 3 x USB, 2 x COM and Fieldbus PortM and Fieldbus Port

eTOP-IPC2140P - 技术数据



Panel

- LCD size: 21.5", 16:9
- Resolution: Full HD 1920x1080
- Luminance: 300cd/m2
- Contrast ratio: 5000
- LCD color: 16.7M
- Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)
- Backlight: LED

Touch

- Ten points P-Cap (Projected Capacitive Touch)
- Touch light transmission: 87%
- Anti-scratch surface: 7H hardness
- Touch interface: USB



System

- CPU: onboard Intel® Celeron® Quad Core processor J1900, 2.0GHz, 2M L2 Cache (maximum frequency 2.42GHz if turbo boost enabled)
- BIOS: AMI BIOS
- System memory: 2 x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 4GB DDR3L-1066/1333, non-ECC and un-buffered
- Storage device:
 - 1 x external locked CFast socket
 - 1 x hard drive bay: optional 1 x 2.5" SATA HDD or 1 x SATA DOM
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/W status monitor: monitoring system temperature, and voltage
- Expansion: 2 x mini-PCIe sockets (support optional Wi-Fi, 3.5G module)
- Front LED Indicator to show operating status

Rear I/O

- Ethernet: 2 x RJ45
- 2nd display VGA port: 1 x DB15
- Audio port: 1 x Line out
- USB: 2 x USB 2.0, 1 x USB 3.0
- 2-pin remote power on/ off switch
- Power switch
- Reset button

- COM #1: RS232/422/485 w/ 2.5kv isolated
- COM #2: RS232/422/485 w/ 2.5kv isolated

Audio

- HD codec: Realtek ALC886-GR
- Audio interface: Line-out audio jack

Ethernet

- LAN chip: dual Intel® I210AT Gigabit LAN
- Ethernet interface: 10/100/1000 Based-Tx Ethernet compatible

Mechanical & Environment

- Color: Pantone 432C/RAL 70 24 front bezel
- IP protection: IP66 front
- Mounting: panel/ wall/ stand/ VESA 100mm x 100mm
- System with panel mounting kit w/o panel mounting hole
- Power input: 12~30VDC
- Power adapter: Optional AC to DC power adapter (+12V, 60W)
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD: 20G@wall mount, half sine, 11ms
- Operating temperature: -10°C to 60°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 562.4x382.4x62.85mm
- Weight: 9.26Kg

Certifications

- CE (including EN61000-6-2/EN61000-6-4)
- FCC Class A

OS Support Lists

- Windows 7 PRO, 32bit/64bit
- Windows Embedded Standard 7, 32bit/64bit
- Windows 10 IoT, 32bit/64bit

订货信息

型号	零件号	说明
eTOP-IPC2140P	+72IPC2140P	21.5" TFT WXGA 16:9 Heavy Industrial Panel PC with Intel® Celeron® quad core processor J1900, up to 2.42GHz, Multi-Touch Screen, 8GB DDR3L, 3 x USB, 2 x COM

eTOP-IPC1670P - 技术数据



Panel

- LCD size: 15.6", 16:9
- Resolution: WXGA, 1366 x 768
- Luminance: 300cd/m²
- Contrast ratio: 500
- LCD color: 16.7M
- Viewing angle: 80(U), 80(D), 85(L), 85(R)
- Backlight: LED

Touch

- Ten points P-Cap (projected capacitive touch)
- Light transmission: 87%
- Interface: USB
- Anti-scratch surface: >= 7H hardness

System

- CPU (optional): support 4th gen. Intel® Core™ i processor family, LGA1150 socket type
 - Core™ i5-4590T, Quad Core, 2.0GHz, 6M Cache (maximum frequency 3.0GHz if turbo boost enabled)
 - Core™ i5-4570TE, Dual Core, 2.7GHz, 4M Cache (maximum frequency 3.3GHz if turbo boost enabled)
 - Core™ i3-4350T, Dual Core, 3.1GHz, 4M Cache (no turbo boost)
 - Core™ i3-4340TE, Dual, Core, 2.6GHz, 4M Cache (no turbo boost)
 - Pentium® G3320TE, Dual Core, 2.3GHz, 3M Cache (no turbo boost)
 - Celeron® G1820TE, Dual Core, 2.2GHz, 2M Cache (no turbo boost)
- BIOS: AMI BIOS
- System chipset: Intel® Q87 PCH
- System memory (optional): 2 x 204-pin DDR3/DDR3L SO-DIMM socket, support up to 16GB DDR3/DDR3L 1333/1600, non-ECC and unbuffered
- Storage device:
 - 1 x External locked CFast socket
 - 1 x mini-PCIe w/o SIM card holder slot to support mSATA storage
 - 1 x Hard drive bay: support 1 x 2.5" SATA HDD/SSD (optional)
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/W status monitor: monitoring system temperature and voltage
- Expansion:
 - 2 x mini-PCIe sockets (support optional Wi-Fi or 3.5G module/NVRAM/mSATA storage)
 - 2 x Expansion slots for add-on PCI or/and PCIe cards (optional)
 - 1 x PCI and 1 x PCIe x4 slots
 - 2 x PCIe x4 slots
 - 2 x PCI slots
 - 1 x PCIe x16 slot

Rear I/O

- 1 x PS2 for keyboard/mouse
- Ethernet: 2 x RJ45
- 2nd/3rd display: additional independent DisplayPort: 1 x DVI-I (DVI-D + DVI-A) and 1 x DisplayPort

- Audio port: 1 x Line-out; 1 x Line-in; 1 x Mlic-in
- USB: 4 x USB3.0
- 3-pin remote power on/off switch connector
- Reset button
- COM#1: RS232/422/485 w/ 5V or 12V selection
- ATX power switch

Top I/O

- COM#2 RS232/422/485 w/ 5V or 12V selection

Audio

- HD codec: Realtek ALC886-GR
- Audio interface: Line-out/Line-in/Mic-in audio jack

Ethernet

- LAN chip: dual Intel® I210IT Gigabit LAN
- Ethernet interface: 10/100/1000 Base-Tx Ethernet compatible

Fieldbus

- Two FBI Windows

Mechanical & Environment

- Color: Pantone 432C\RAL 70 24 front bezel
- IP protection: IP66 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power:
 - Power input: 12~30 VDC
 - Power connector: 3-pin PHOENIX connector
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD: 20G @ wall mount, half sine, 11ms
- Operating temperature: -10°C to 50°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing

Dimension

- 417.4 x 312.4 x 105.95mm
- Weight: (barebone): 9.18kg

Certifications

- CE (including EN61000-6-2/EN61000-6-4), FCC Class A

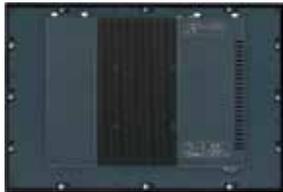
OS Support Lists

- Windows 7 32-bit and 64-bit
- Windows Embedded Standard 7, 32bit/64bit
- Windows 10 32-bit and 64-bit

订货信息

型号	零件号	说明
eTOP-IPC1670P	+72IPC1670P	15.6" TFT WXGA 16:9 Heavy Industrial Panel PC with Intel® Celeron® Quad Core Processor J1900, up to 2.42GHz, Multi-Touch Screen, 4GB DDR3L, 3 x USB, 2 x COM

eTOP-IPC2170P - 技术数据



Panel

- LCD size: 21.5", 16:9
- Resolution: Full HD, 1920 x 1080
- Luminance: 300cd/m²
- Contrast ratio: 5000
- LCD color: 16.7M
- Viewing angle: 89(U), 89(D), 89(L), 89(R)
- Backlight: LED

Touch (for eTOP-IPC2170P Series)

- Ten points P-Cap (projected capacitive touch)
- Light transmission: 87%
- Interface: USB
- Anti-scratch surface: >= 7H hardness

System

- CPU (optional): support 4th gen. Intel® Core™ i processor family, LGA1150 socket type
 - Core™ i5-4590T, Quad Core, 2.0GHz, 6M Cache (maximum frequency 3.0GHz if turbo boost enabled)
 - Core™ i5-4570TE, Dual Core, 2.7GHz, 4M Cache (maximum frequency 3.3GHz if turbo boost enabled)
 - Core™ i3-4350T, Dual Core, 3.1GHz, 4M Cache (no turbo boost)
 - Core™ i3-4340TE, Dual, Core, 2.6GHz, 4M Cache (no turbo boost)
 - Pentium® G3320TE, Dual Core, 2.3GHz, 3M Cache (no turbo boost)
 - Celeron® G1820TE, Dual Core, 2.2GHz, 2M Cache (no turbo boost)
- BIOS: AMI BIOS
- System chipset: Intel® Q87 PCH
- System memory (optional): 2 x 204-pin DDR3/DDR3L SO-DIMM socket, support up to 16GB DDR3/DDR3L 1333/1600, non-ECC and unbuffered
- Storage device:
 - 1 x External locked CFast socket
 - 1 x mini-PCIe w/o SIM card holder slot to support mSATA storage
 - 1 x Hard drive bay: support 1 x 2.5" SATA HDD/SSD (optional)(for DC model only)
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/W status monitor: monitoring system temperature and voltage
- Expansion:
 - 2 x mini-PCIe sockets (support optional Wi-Fi or 3.5G module/NVRAM/mSATA storage)
 - 2 x Expansion slots for add-on PCI or/and PCIe cards (optional)
 - 1 x PCI and 1 x PCIe x4 slots
 - 2 x PCIe x4 slots
 - 2 x PCI slots
 - 1 x PCIe x16 slot

Rear I/O

- 1 x PS2 for keyboard/mouse
- Ethernet: 2 x RJ45

- 2nd/3rd display: additional independent DisplayPort: 1 x DVI-I (DVI-D + DVI-A) and 1 x DisplayPort
- Audio port: 1 x Line-out; 1 x Line-in; 1 x Mic-in
- USB: 4 x USB3.0
- 3-pin remote power on/off switch connector
- Reset button
- COM#1: RS232/422/485 w/ 5V or 12V selection
- ATX power switch

Top I/O

- COM#2 RS232/422/485 w/ 5V or 12V selection

Audio

- HD codec: Realtek ALC886-GR
- Audio interface: Line-out/Line-in/Mic-in audio jack

Ethernet

- LAN chip: dual Intel® I210IT Gigabit LAN
- Ethernet interface: 10/100/1000 Base-Tx Ethernet compatible

Fieldbus

- Two FBI Windows

Mechanical & Environment

- Color: Pantone 432C/RAL 70 24 front bezel
- IP protection: IP66 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power:
 - Power input: 12~30 VDC
 - Power connector: 3-pin PHOENIX connector
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD: 20G @ wall mount, half sine, 11ms
- Temperature:
 - Operating temperature: -10°C to 50°C
 - Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing

Dimension

- 562.4 x 382.4 x 105.05mm
- Weight: (barebone): 11.7kg

Certifications

- CE (including EN61000-6-2/EN61000-6-4)
- FCC Class A

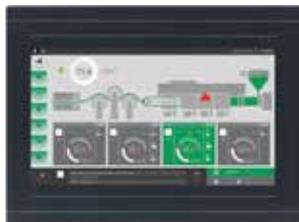
OS Support Lists

- Windows 7 PRO, 32bit/64bit
- Windows Embedded Standard 7, 32bit/64bit
- Windows 10 IoT, 32bit/64bit

订货信息

型号	零件号	说明
eTOP-IPC2170P	+72IPC2170P	21.5" TFT Full HD 16:9 Heavy Industrial Panel PC 4th Generation Intel® Core™ i Processor

eTOP-IPC1680P 技术数据



Panel

- LCD size: 15.6", 16:9
- Resolution: HD (WXGA) 1366 x 768
- Luminance: 400cd/m2
- Contrast ratio: 500
- LCD color: 16.7M
- Viewing angle: 80 (U), 80 (D), 85 (L), 85 (R)
- Backlight: LED

Touch

- Ten points P-Cap (projected capacitive touch)
- Touch light transmission: 87%
- Anti-scratch surface: 7H hardness
- Touch interface: USB



System

- Support 6th generation Intel® Core™ i5/i3 BGA type processor - Core™ i5-6300U, 3M Cache, up to 3.0GHz - Core™ i3-6100U, 3M Cache, up to 2.3GHz (optional)
- BIOS: AMI BIOS
- System memory: 2 x 204-pin DDR3L SO-DIMM socket, 8GB DDR3L (default), support up to 16GB DDR3L-1866, non-ECC and un-buffered
- Storage device:
 - 1 x M.22242B key socket: optional M.22242 storage
 - 1 x Hard drive bay: optional 1 x 2.5" SATA HDD
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- Expansion: 1 x mini-PCIe sockets (support optional Wi-Fi module)
- Front LED indicator to show operating status



Rear I/O

- Ethernet: 2 x RJ45
- 2nd DisplayPort: 2 x DP1.2
- USB: 2xUSB2.0, 2xUSB3.0
- LED indicator: power/HDD/GPIO programmable LED

- Power button
- COM #1: RS232/422/485
- COM #2&3: RS232

Ethernet

- LAN chip: dual Intel® I210-AT Gigabit LAN
- Ethernet interface: 10/100/1000 based-Tx Ethernet compatible

Mechanical & Environment

- Color: black silver front bezel
- IP protection: IP66 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- System with panel mounting kit w/o panel mounting hole
- Power:
 - Power input: 24 VDC
 - Power adapter: optional AC to DC power adapter (+24V, 60W)
- Vibration:
 - IEC 682-64 (w/HDD)
 - 1 Grms@ sine, 5~500 Hz, 1hr/axis (HDD operating)
 - 2 Grms@ sine, 5~500 Hz, 1hr/axis (SSD operating)
 - 2.2 Grms@ randomcondition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC682-27
 - HDD: 20G@wallmount, halfsine, 11ms
- Temperature:
 - Operating temperature: 0 °C to 50 °C
 - Storage temperature: -20 °C to 75 °C
 - Operating humidity: 10% ~ 90% relative humidity, non-condensing
- Dimension: 417.6 x 312.6 x 81.95 mm
- Weight: 5.98 kg

Certifications

- CE (including EN61000-6-2/EN61000-6-4)
- FCC class A

OS Support Lists

- Windows 10 64-bit

订货信息

型号	零件号	说明
eTOP-IPC1680P	+72IPC1680P	15.6" TFT HD 16:9 Heavy Industrial Panel PC 6th Generation Intel® Core™ i5-6300U, 2.40 GHz Multi-Touch Screen, 8GB DDR3L, 4 x USB, 3 x COM

eTOP-IPC2180P 技术数据



Panel

- LCD size: 21.5", 16:9
- Resolution: FHD 1920 x 1080
- Luminance: 250cd/m2
- Contrast ratio: 5000
- LCD color: 16.7M
- Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)
- Backlight: LED

Touch

- Ten points P-Cap (projected capacitive touch)
- Touch light transmission: 87%
- Anti-scratch surface: 7H hardness
- Touch interface: USB



System

- Support 6th generation Intel® Core TM i5/i3 BGA type processor - Core TM i5-6300U, 3M Cache, up to 3.0 GHz - Core TM i3-6100U, 3M Cache, up to 2.3GHz (optional)
- CPU: onboard 6th generation Intel® CoreTM i5-6300U Processor, 2.40GHz
- BIOS: AMI BIOS
- System memory: 2 x 204-pin DDR3L SO-DIMM socket, 8GB DDR3L (default), support up to 16GB DDR3L-1866, non-ECC and un-buffered
- Storage device:
 - 1x M.22242B key socket: optional M.22242 storage
 - 1x Hard drive bay: optional 1 x 2.5" SATA HDD
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- Expansion: 1 x mini-PCIe sockets (support optional Wi-Fi module)
- Front LED indicator to show operating status

Rear I/O

- Ethernet: 2 x RJ45
- 2nd DisplayPort: 2 x DP1.2
- USB: 2x USB 2.0, 2x USB 3.0

- LED indicator: power/HDD/GPIO programmable LED
- Power button
- COM #1: RS232/422/485
- COM #2&3: RS232

Ethernet

- LAN chip: dual Intel® I210-AT Gigabit LAN
- Ethernet interface: 10/100/1000 based-Tx Ethernet compatible

Mechanical & Environment

- Color: black silver front bezel
- IP protection: IP66 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- System with panel mounting kit w/o panel mounting hole
- Power:
 - Powerinput:24VDC
- Power adapter: optional AC to DC power adapter (+24V, 60W)
- Vibration:
 - IEC 682-64 (w/HDD)
 - 1 Grms@ sine, 5~500 Hz, 1hr/axis (HDD operating)
 - 2 Grms@ sine, 5~500 Hz, 1hr/axis (CFast operating)
 - 2.2 Grms@ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 682-27
 - HDD: 20 G @ wall mount, halfsine, 11 ms
- Temperature:
 - Operating temperature: 0 °C to 50 °C
 - Storage temperature: -20 °C to 75 °C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 562.4 x 382.4 x 80.55 mm
- Weight: 8.26 kg

Certifications

- CE (including EN61000-6-2/EN61000-6-4) FCC class A

OS Support Lists

- Windows 10 64-bit

订货信息

型号	零件号	说明
eTOP-IPC2180P	+72IPC2180P	21.5" TFT Full HD 16:9 Heavy Industrial Panel PC 6th Generation Intel® CoreTM i5-6300U, 2.40 GHz Multi-Touch Screen, 8GB DDR3L, 4 x USB, 3 x COM

eTOP-IPC1770T - 技术数据



Panel

- LCD size: 17", 4:3
- Resolution: SXGA 1280 x 1024
- Luminance: 350cd/m²
- Contrast ratio: 1000
- LCD color: 16.7M
- Viewing angle: 80 (U), 80 (D), 85 (L), 85 (R)
- Backlight: LED

Touch

- 5-wire resistive (flush panel type)
- Light transmission: 81%
- Interface: USB

System

- CPU (optional): support 4th gen. Intel® Core™ i processor family, LGA1150 socket type
- Core™ i5-4590T, Quad Core, 2.0GHz, 6M Cache (maximum frequency 3.0GHz if turbo boost enabled)
- Core™ i5-4570TE, Dual Core, 2.7GHz, 4M Cache (maximum frequency 3.3GHz if turbo boost enabled)
- Core™ i3-4350T, Dual Core, 3.1GHz, 4M Cache (no turbo boost)
- Core™ i3-4340TE, Dual, Core, 2.6GHz, 4M Cache (no turbo boost)
- Pentium® G3320TE, Dual Core, 2.3GHz, 3M Cache (no turbo boost)
- Celeron® G1820TE, Dual Core, 2.2GHz, 2M Cache (no turbo boost)
- BIOS: AMI BIOS
- System chipset: Intel® Q87 PCH
- System memory (optional): 2 x 204-pin DDR3/DDR3L SO-DIMM socket, support up to 16GB DDR3/DDR3L 1333/1600, non-ECC and unbuffered
- Storage device:
 - 1 x External locked CFast socket
 - 1 x mini-PCIe w/o SIM card holder slot to support mSATA storage
 - 1 x Hard drive bay: support 1 x 2.5" SATA HDD/SSD (optional)
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/W status monitor: monitoring system temperature and voltage
- Expansion:
 - 2 x mini-PCIe sockets (support optional Wi-Fi or 3.5G module/NVRAM/mSATA storage)
 - 2 x Expansion slots for add-on PCI or/and PCIe cards (optional)
 - 1 x PCI and 1 x PCIe x4 slots
 - 2 x PCIe x4 slots
 - 2 x PCI slots
 - 1 x PCIe x16 slot
- 1 x Front accessible USB 2.0

Rear I/O

- 1 x PS2 for keyboard/mouse
- Ethernet: 2 x RJ45
- 2nd/3rd display: additional independent DisplayPort: 1 x DVI-I

- (DVI-D + DVI-A) and 1 x DisplayPort
- Audio port: 1 x Line-out; 1 x Line-in; 1 x Mic-in
- USB: 4 x USB3.0
- 3-pin remote power on/off switch connector
- Reset button
- COM#1: RS232/422/485 w/ 5V or 12V selection
- ATX power switch

Top I/O

- COM#2 RS232/422/485 w/ 5V or 12V selection

Audio

- HD codec: Realtek ALC886-GR
- Audio interface: Line-out/Line-in/Mic-in audio jack

Ethernet

- LAN chip: dual Intel® I210IT Gigabit LAN
- Ethernet interface: 10/100/1000 Base-Tx Ethernet compatible

Fieldbus

- Two FBI Windows

Mechanical & Environment

- Color: Pantone 432C\RAL 70 24 front bezel
- IP protection: IP66 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power:
 - Power input: 12~30 VDC
 - Power connector: 3-pin Phoenix connector
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD: 20G @ wall mount, half sine, 11ms
- Operating temperature:
 - Resistive: -10°C to 50°C
 - Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing (for eTOP-IPC1770T series, limits to be at 90% RH at max 50°C)
- Dimension: 451 x 375.5 x 105mm
- Weight: 9.6kg (barebone)

Certifications

- CE (including EN61000-6-2/EN61000-6-4), FCC Class A

OS Support Lists

- Windows 7 PRO, 32bit/64bit
- Windows Embedded Standard 7, 32bit/64bit
- Windows 10 IoT, 32bit/64bit

订货信息

型号	零件号	说明
eTOP-IPC1770T	+72IPC1770T	17" TFT SXGA 4:3 Heavy Industrial Panel PC 4th Generation Intel® Core™ i Processor

eTOP-IPC1570T - 技术数据



Panel

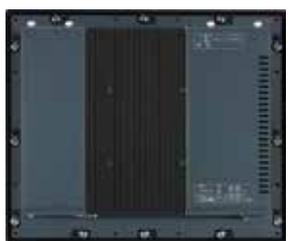
- LCD Size: 15", 4:3
- Resolution: XGA 1024 x 768
- Luminance: 450cd/m²
- Contrast ratio: 800
- LCD color: 16.2M
- Viewing angle: 70 (U), 80 (D), 80 (L), 80 (R)
- Backlight: LED

Touch

- 5-wire resistive (flush panel type)
- Light transmission: 81%
- Interface: USB

System

- CPU (optional): support 4th gen. Intel® Core™ i processor family, LGA1150 socket type
 - Core™ i5-4590T, Quad Core, 2.0GHz, 6M Cache (maximum frequency 3.0GHz if turbo boost enabled)
 - Core™ i5-4570TE, Dual Core, 2.7GHz, 4M Cache (maximum frequency 3.3GHz if turbo boost enabled)
 - Core™ i3-4350T, Dual Core, 3.1GHz, 4M Cache (no turbo boost)
 - Core™ i3-4340TE, Dual, Core, 2.6GHz, 4M Cache (no turbo boost)
 - Pentium® G3320TE, Dual Core, 2.3GHz, 3M Cache (no turbo boost)
 - Celeron® G1820TE, Dual Core, 2.2GHz, 2M Cache (no turbo boost)
- BIOS: AMI BIOS
- System chipset: Intel® Q87 PCH
- System memory (optional): 2 x 204-pin DDR3/DDR3L SO-DIMM socket, support up to 16GB DDR3/ DDR3L 1333/1600, non-ECC and unbuffered
- Storage device:
 - 1 x External locked CFast socket
 - 1 x mini-PCIe w/o SIM card holder slot to support mSATA storage
 - 1 x Hard drive bay: support 1 x 2.5" SATA HDD/SSD (optional)
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/W status monitor: monitoring system temperature and voltage
- Expansion:
 - 2 x mini-PCIe sockets (support optional Wi-Fi or 3.5G module/NVRAM/mSATA storage)
 - 2 x Expansion slots for add-on PCI or/and PCIe cards (optional)
 - 1 x PCI and 1 x PCIe x4 slots
 - 2 x PCIe x4 slots
 - 2 x PCI slots
 - 1 x PCIe x16 slot
 - 1 x Front accessible USB 2.0



Rear I/O

- 1 x PS2 for keyboard/mouse
- Ethernet: 2 x RJ45
- 2nd/3rd display: additional independent DisplayPort: 1 x DVI-I (DVI-D + DVI-A) and 1 x DisplayPort
- Audio port: 1 x Line-out; 1 x Line-in; 1 x Mic-in
- USB: 4 x USB 3.0
- 3-pin remote power on/off switch connector
- Reset button
- COM#1: RS232/422/485 w/ 5V or 12V selection
- ATX power switch

Top I/O

- COM#2 RS232/422/485 w/ 5V or 12V selection

Audio

- HD codec: Realtek ALC886-GR
- Audio interface: Line-out/Line-in/Mic-in audio jack

Ethernet

- LAN chip: dual Intel® I210IT Gigabit LAN
- Ethernet interface: 10/100/1000 Base-Tx Ethernet compatible

Fieldbus

- Two FBI Windows

Mechanical & Environment

- Color: Pantone 432C\RAL 70 24 front bezel
- IP protection: IP66 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power:
 - Power input: 12~30 VDC
 - Power connector: 3-pin PHOENIX connector
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD: 20G @ wall mount, half sine, 11ms
- Operating temperature
- Resistive: -20°C to 50°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing (for eTOP-IPC1570T series, limits to be at 90% RH at max 50°C)
- Dimension: 400 x 330 x 104.9 mm
- Weight: 8.99kg (barebone)

Certifications

- CE (including EN61000-6-2/EN61000-6-4), FCC Class A

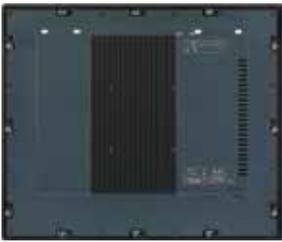
OS Support Lists

- Windows 7 PRO, 32bit/64bit
- Windows Embedded Standard 7, 32bit/64bit
- Windows 10 IoT, 32bit/64bit

订货信息

型号	零件号	说明
eTOP-IPC1570T	+72IPC1570T	15" TFT XGA 4:3 Heavy Industrial Panel PC 4th Generation Intel® Core™ i Processor

eTOP-IPC1970T - 技术数据



Panel

- LCD size: 19", 4:3
- Resolution: SXGA 1280 x 1024
- Luminance: 350cd/m²
- Contrast ratio: 1000
- LCD color: 16.7M
- Viewing angle: 80 (U), 80 (D), 85 (L), 85 (R)
- Backlight: LED

Touch

- 5-wire resistive (flush panel type)
- Light transmission: 80±3%
- Interface: USB

System

- CCPU (optional): support 4th gen. Intel® Core™ i processor family, LGA1150 socket type
- Core™ i5-4590T, Quad Core, 2.0GHz, 6M Cache (maximum frequency 3.0GHz if turbo boost enabled)
- Core™ i5-4570TE, Dual Core, 2.7GHz, 4M Cache (maximum frequency 3.3GHz if turbo boost enabled)
- Core™ i3-4350T, Dual Core, 3.1GHz, 4M Cache (no turbo boost)
- Core™ i3-4340TE, Dual Core, 2.6GHz, 4M Cache (no turbo boost)
- Pentium® G3320TE, Dual Core, 2.3GHz, 3M Cache (no turbo boost)
- Celeron® G1820TE, Dual Core, 2.2GHz, 2M Cache (no turbo boost)
- BIOS: AMI BIOS
- System chipset: Intel® Q87 PCH
- System memory (optional): 2 x 204-pin DDR3/DDR3L SO-DIMM socket, support up to 16GB DDR3/DDR3L 1333/1600, non-ECC and unbuffered
- Storage device:
 - 1 x External locked CFast socket
 - 1 x mini-PCIe w/o SIM card holder slot to support mSATA storage
 - 1 x Hard drive bay: support 1 x 2.5" SATA HDD/SSD (optional)
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/W status monitor: monitoring system temperature and voltage
- Expansion:
 - 2 x mini-PCIe sockets (support optional Wi-Fi or 3.5G module/NVRAM/mSATA storage)
 - 2 x Expansion slots for add-on PCI or/and PCIe cards (optional)
 - 1 x PCI and 1 x PCIe x4 slots
 - 2 x PCIe x4 slots
 - 2 x PCI slots
 - 1 x PCIe x16 slot
- 1 x Front accessible USB 2.0

Rear I/O

- 1 x PS2 for keyboard/mouse
- Ethernet: 2 x RJ45

- 2nd/3rd display: additional independent DisplayPort: 1 x DVI-I (DVI-D + DVI-A) and 1 x DisplayPort
- Audio port: 1 x Line-out; 1 x Line-in; 1 x Mic-in
- USB: 4 x USB 3.0
- 3-pin remote power on/off switch connector
- Reset button
- COM#1: RS232/422/485 w/ 5V or 12V selection
- ATX power switch

Top I/O

- COM#2 RS232/422/485 w/ 5V or 12V selection

Audio

- HD codec: Realtek ALC886-GR
- Audio interface: Line-out/Line-in/Mic-in audio jack

Ethernet

- LAN chip: dual Intel® I210IT Gigabit LAN
- Ethernet interface: 10/100/1000 Base-Tx Ethernet compatible

Fieldbus

- Two FBI Windows

Mechanical & Environment

- Color: Pantone 432C/RAL 70 24 front bezel
- IP protection: IP66 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power:
 - Power input: 12~30 VDC
 - Power connector: 3-pin PHOENIX connector
- Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock:
 - IEC 68 2-27
 - HDD: 20G @ wall mount, half sine, 11ms
- Operating temperature:
 - Resistive: -10°C to 50°C
 - Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing (for eTOP-IPC1970T series, limits to be at 90% RH at max 50°C)
- Dimension: 470 x 400 x 104.9 mm
- Weight: 10.25kg (barebone)

Certifications

- CE (including EN61000-6-2/EN61000-6-4)
- FCC Class A

OS Support Lists

- Windows 7 PRO, 32bit/64bit
- Windows Embedded Standard 7, 32bit/64bit
- Windows 10 IoT, 32bit/64bit

订货信息

型号	零件号	说明
eTOP-IPC1970T	+72IPC1970T	19" TFT SXGA 4:3 Heavy Industrial Panel PC 4th Generation Intel® Core™ i Processor

eCC/eCCF - 紧凑型工业盒子电脑

紧凑系列无风扇计算机

由Intel®赋能，这些紧凑型工业盒子电脑具有重要的I/O设计。

这款紧凑型系列无风扇工业电脑盒特别适用于空间关键和简单或复杂的应用，例如数据采集、数字标识、门禁、自我服务系统, 自动服务终端, 和POS应用。



概述

所有产品都具有广泛而灵活的一系列配置。您将拥有适合您需求的产品。

所有产品均具有鲁棒性的机械结构，适合最苛刻的应用。

产品可以配置为一系列具有不同的CPU、RAM、磁盘和操作系统的产品。

EXOR提供的PC是理想的系统用于运行基于JMobile PC Runtime的应用程序。

在嵌入式HMI不能满足所有要求的情况下，都可以使用将HMI集成到功能强大硬件平台上的应用程序。

eCC51 技术数据



CPU Support

- Default: onboard Intel® Celeron® processor N3350 Dual Core, 2.4GHz
- Option: support Intel Atom® E3900 processor family from Dual Core
- E3930 to Quad Core E3950 (by request)

Main Memory

- 1 x DDR3L SO-DIMM socket, support DDR3L 1866 8GB RAM max., un-buffered and non-ECC

Display Option

- 1 x DP display



I/O Interface-Front

- ATX power on/off switch
- 1 x Storage/2 x GPO programmable LED
- 1 x SIM card holder
- 2 x Intel® I211AT GbE LAN ports; support WoL, teaming and PXE
- 1 x DP display output
- 2 x USB 2.0
- 2 x USB 3.0
- 3 x Antenna holes for optional Wi-Fi/3.5G antenna
- I/O Interface-Rear
- 3 x DB9 for COM1 & COM2 & COM3
- COM1/COM2: full RS232 signal
- COM3: RS422/485 auto flow control
- 1 x Line-out
- Support 12V/24V DC input

I/O Interface - Internal

- 4 x GPI and 4 x GPO (programmable to GPI or GPO)
- 1 x DB9, only support RS232, Tx/Rx/GND single

Storage Device

- Onboard 16GB EMMC, max up to 32G by request

- Optional M.2 B, BM key 2242 module

Expansion Slot

- 1 x mini-PCIe socket for optional Wi-Fi/3.5G module and 2 x M.2 slot for optional WiFi/Bluetooth and LTE modules

Power Requirements

- Power input: 12V/24V DC +/-10%
- 1 x Optional 24V, 60W power adapter

Support OS

- Linux Kernel version 4.1 with 16GB eMMC
- Windows 10 IoT Enterprise with 32GB eMMC

Dimensions

- 162mm (W) x 26mm (H) x 150mm (D) without wall-mount bracket

Construction

- Metal chassis with fanless design

Environment

- Operating temperature:
- Ambient with air flow: -5°C to 55°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C to 75°C
- Relative humidity: 10% to 95% (non-condensing)
- Shock protection:
- M.2/EMMC: 50G, half sine, 11ms, IEC60068-27
- Vibration protection w/M.2 or EMMC condition:
- Random: 2Grms @ 5~500 Hz, IEC60068-2-64
- Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6

Certifications

- CE
- FCC Class A

mini-PCIe	Configuration	USB	PCIe	SATA	3.5G/4G	WiFi/Bluetooth	Storage
Mini_card1	Full size	v	v	N/A	Support	Support	N/A
M.2	Configuration	USB	PCIe	SATA	3.5G/4G	WiFi/Bluetooth	Storage
M.2_Key_A1	A, AE key 2230	v	v	N/A	N/A	N/A	N/A
M.2_Key_B1	B, BM key 2242/2042	v (3042)	N/A	v (2242)	Support (3042)	N/A	Support (2242)

订货信息

型号	零件号	说明
eCC51	+70ECC51	Intel® Celeron® Processor N3350 Dual Core Fanless System

eCC105U 技术数据



CPU Support

- Onboard Intel® Celeron® processor J1900 quad core, 2.42 GHz

Main Memory

- 1x DDR3L SO-DIMM socket, support DDR3L 1066/1333 8GB RAM max., un-buffered and non-ECC

Display Option

- Dual independent display
- HDMI and DVI-I
- HDMI and VGA (via DVI-I to VGA converter)

I/O Interface-Front

- ATX power on/off switch
- 1x Power status/1 x HDD access/1 x battery low/
- 1x programming LEDs
- 2x Intel® I210AT GbE LAN ports; support WoL, teaming and PXE
- 1x HDMI
- 1x USB 3.0 (900mA per each)
- 2x USB 2.0 (500mA per each)
- 1x DB9 for COM1 support RS232/422/485 with auto flow control
- Jumper-free setting on RS232/422/485
- 1x 2-pin DC input, support +9 to 30VDC input

I/O Interface - Rear

- 1 x Remote power on/off switch
- DVI-I display output
- 1x DB9 for COM2, support RS232/422/485 with auto flow control
- Jumper-free setting on RS232/422/485
- 2x DB9 for COM3 & COM4 support RS232 only
- 1x Mic-in & 1x Line-out
- 2x Antenna holes for optional Wi-Fi/3.5G antenna
- 1x Optional I/F for optional mini-PCIe Wi-Fi/3.5G

I/O Interface - Internal

- 4x G Pland 4 GPO (5V, TTL type)

Storage Device

- 1x M.2, support B & B+M key module (2242)

- 1x 2.5" HDD (SATA 2.0)

Expansion Slot

- 1 x mini-PCIe socket for optional Wi-Fi/3.5G

Power Requirement

- Power input: +9VDC to +30VDC
- 1x Optional 24V, 60W power adapter

Support OS

- Windows7, 32-bit/64-bit
- Windows Embedded Standard 7, 32-bit/64-bit
- Windows Embedded Compact 7, 32-bit
- Windows 10 IoT Enterprise, 64-bit
- Linux Kernel version 3.8.0

Dimensions

- 185mm (W) x 131mm (D) x 54mm (H) without wall-mount bracket

Construction

Aluminum and metal chassis with fanless design

Environment

- Operating temperature Ambient with air flow: -5°C to 55°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -30°C to 85°C
- Relative humidity: 10% to 95% (non-condensing)
- Shock protection
- HDD: 20G, halfsine, 11ms, IEC 60068-2-27
- M.2: 50G, halfsine, 11ms, IEC 60068-2-27
- Vibration protection w/HDD condition
- Random: 0.5 Grms @ 5~500 Hz, IEC 60068-2-64
- Sinusoidal: 0.5 Grms @ 5~500 Hz, IEC 60068-2-6
- Vibration protection w/M.2 & SSD condition
- Random: 2Grms @ 5~500 Hz, IEC 60068-2-64
- Sinusoidal: 2Grms @ 5~500 Hz, IEC 60068-2-6

Certifications

- CE
- FCC Class A



订货信息

型号	零件号	说明
eCC105U	+70ECC105U	Intel® Celeron® Processor J1900 Quad Core Fanless System

eCC106 - 技术数据



CPU Support

- Onboard Intel® Pentium® Quad Core processor N3710, 2M Cache, 1.6GHz

Main Memory

- 1 x DDR3L SO-DIMM socket, support DDR3L 1600 8GB RAM max., un-buffered and non-ECC

Display Option

- 1 x HDMI + 1 x DVI-D + 1 x DP display port

I/O Interface-Front

- ATX power on/off switch
- 1 x Power status/1 x HDD access/1 x battery low/1 x programming/4 x Tx/Rx LEDs
- 2 x Intel® I210AT GbE LAN ports; support WoL, teaming and PXE
- 1 x HDMI + 1 x DVI-D display output
- 4 x USB 3.0 (900mA per each)
- 1 x 3-pin DC input, support +9 to 30VDC input

I/O Interface - Rear

- 1 x DisplayPort
- 1 x SIM card holder
- 1 x External CFast socket
- 2 x DB9 for RS232/422/485 with auto flow control (COM1 and COM2)
- 2 x DB9 for RS232 (COM3 and COM4)
- 2 x Antenna holes for optional Wi-Fi/3.5G antenna
- 1 x Remote power on/off switch
- 1 x Optional I/F for optional mini-PCIe Wi-Fi/3.5G/LTE/NEXCOM's automation module output

I/O Interface - Internal

- 4 x GPI and 4 x GPO (5V, TTL type)

Storage Device

- 1 x 2.5" HDD (SATA 3.0)

Expansion Slot

- 1 x mini-PCIe socket for optional Wi-Fi/4G LTE/3.5G modules

Power Requirement

- Power input: +9 to 30 VDC
- 1 x Optional 24V, 60W power adapter

Dimensions

- 185mm (W) x 131mm (D) x 54mm (H) without wall-mount bracket

Construction

- Aluminum chassis with fanless design

Environment

- Operating temperature:
 - Ambient with air flow: -5°C to 55°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -30°C to 85°C
- Relative humidity: 10% to 95% (non-condensing)
- Shock protection:
 - HDD: 20G, half sine, 11ms, IEC60068-27
 - CFast: 50G, half sine, 11ms, IEC60068-27
- Vibration protection w/ HDD condition:
 - Random: 0.5Grms @ 5~500 Hz, IEC60068-2-64
 - Sinusoidal: 0.5Grms @ 5~500 Hz, IEC60068-2-6
- Vibration protection w/ CFast & SSD condition:
 - Random: 2Grms @ 5~500 Hz, IEC60068-2-64
 - Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6

Certifications

- CE
- FCC Class A

Support OS

- Windows 7 PRO, 32bit/64bit
- Windows Embedded Standard 7, 32bit/64bit
- Windows 10 IoT, 32bit/64bit



订货信息

型号	零件号	说明
eCC106	+70ECC106	Intel® Pentium® processor N3710 Quad Core, 1.6GHz fanless system

eCC107 技术数据



CPU Support

- Onboard Intel Atom® x5-E3930 Dual Core processor, 1.80 GHz, 2M Cache

Main Memory

- 1 x DDR3L SO-DIMM socket, support DDR3L 1866 8GB RAM max., un-buffered and non-ECC

Display Option

- Dual independent display: DVI-D + DP

I/O Interface-Front

- ATX power on/off switch
- LED indicator: power status, HDD access, RTC battery low, Tx/Rx, GPO programmable LEDs
- 2 x DB9 for RS232/422/485 with auto flow control
- 1 x External M.2 socket support B, B+M key module
- 1 x SIM card holder
- 1 x Optional I/F opening for optional function output or module interface use

I/O Interface-Rear

- 1 x Display port
- 1 x DVI-D port
- 4 x USB 3.0 ports (900mA per each)
- 2 x Intel® I210IT GbE LAN ports; support WoL, teaming and PXE
- 1 x Line-out and 1 x Mic-in
- 2 x Antenna holes for optional Wi-Fi/3.5G antenna
- 1 x 3-pin DC input, support +9 to 30VDC input
- 1 x 3-pin remote power on/off switch

I/O Interface - Internal

- 4 x GPI and 4 x GPO (5V, TTL type)

Storage Device

- 1 x 2.5" HDD (SATA 3.0)
- 1 x M.2, support B, B+M key module

Expansion Slot

- 1 x mini-PCIe socket support optional Wi-Fi/4G LTE/3.5G modules

Power Requirements

- Power input: +9 to 30 Vdc
- 1 x Optional 24V, 60W power adapter

Dimensions

- 185mm (W) x 131mm (D) x 54mm (H) without wall-mount bracket

Construction

- Aluminum chassis with fanless design

Environment

- Operating temperature: Ambient with air flow: -20°C to 70°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C to 80°C
- Relative humidity: 95% at 40°C
- Shock protection:
HDD: 20G @ wall mount, half sine, 11ms(operation), IEC60068 2-27
M.2: 50G @ wall mount, half sine, 11ms(operation), IEC60068 2-27
- Vibration protection w/ HDD condition:
Random: 0.5Grms @ 5~500 Hz, IEC60068-2-64
Sinusoidal: 0.5Grms @ 5~500 Hz, IEC60068-2-6
- Vibration protection w/ M.2 & SSD condition:
Random: 2Grms @ 5~500 Hz, IEC60068-2-64
Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6

Certifications

- CE approval - EN61000-6-2 - EN61000-6-4
- FCC Class A

Support OS

- Windows 10 IoT Enterprise, 64-bit
- Linux Kernel version 4.1



订货信息

型号	零件号	说明
eCC107	+70ECC107	Intel Atom® x5-E3930 Dual Core Fanless System

eCC3800E - 技术数据



CPU Support

- Support 6th generation Intel® Core™ i7/i5/i3 LGA socket type embedded processor
 - Core™ i7-6700TE, Quad Core, 2.4GHz, 8M Cache
 - Core™ i5-6500TE, Quad Core, 2.3GHz, 6M Cache
 - Core™ i3-6100TE, Dual Core, 2.7GHz, 4M Cache
 - Intel® Pentium® Processor G4400TE 2.4GHz, 3M Cache
 - Intel® Celeron® Processor G3900TE 2.3GHz, 2M Cache
- Turbo-boost disabled by default

Main Memory

- 2 x DDR4 SO-DIMM socket, support up to 16GB with unbuffered and non-ECC

Display Option

- Three independent display
 - HDMI + DP + DVI-D
- Dual independent display
 - HDMI + DP
 - HDMI + DVI-D
 - DP + DVI-D

Front I/O Interface Status LEDs

- 3 x LAN active LEDs
- 2 x GPO status/COM1/2 TX/RX LEDs
- 1 x HDD access LEDs

Front I/O Interface

- 1 x ATX power on/off switch
- 1 x DP
- 1 x Line-out and 1 x Mic-in
- 2 x Antenna holes
- 1 x External M.2 socket
- 1 x SIM card holder

Rear I/O Interface

- 2 x DB9 for COM1 & COM2
 - COM1: RS232/422/485 auto flow control
 - COM2: RS232/422/485 auto flow control
- 4 x USB 3.0 ports (900mA per each)
- 2 x USB 2.0 ports (500mA per each)
- 1 x DVI-D port
- 1 x HDMI port
- 3 x Intel® I210IT GbE LAN ports; support WoL, teaming and PXE
- 1 x 2-pin remote power on/off switch
- +9V to 30V DC input

Storage Device

- 1 x External M.2 SATA 3.0 (M-key 2242) socket

- 1 x mSATA (SATA 3.0)
- 1 x 2.5" HDD (SATA 3.0)

Expansion Slot

- One PCIe x4 expansion slot
 - Add-on card length: 169mm max.
 - Power consumption: 10W/slot max.
- 2 x Internal mini-PCIe socket support optional Wi-Fi/3.5G/mSATA/Fieldbus

Power Requirements

- AT/ATX power mode (default: ATX power mode)
- Power input: +9 to +30V DC
- Power adapter: optional AC to DC power adapter (24VDC, 120W)

Dimensions

- 215 mm(W) x 272mm (D) x 93mm (H) without wall mount bracket (8.5" x 10.7" x 3.7")

Construction

- Aluminum and metal chassis with fanless design

Environment

- Operating temperature:
 - Ambient with air flow: -5°C to 55° (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
 - Storage temperature: -20°C to 85°C
- Relative humidity: 10% to 93% (non-condensing)
- Shock protection:
 - HDD: 20G, half sine, 11ms, IEC60068-27
 - M.2: 50G, half sine, 11ms, IEC60068-27
- Vibration protection with HDD condition:
 - Random: 0.5Grms @ 5~500 Hz, IEC60068-2-64
 - Sinusoidal: 0.5Grms @ 5~500 Hz, IEC60068-2-6

Certifications

- CE approval- EN61000-6-2- EN61000-6-4
- FCC Class A

OS Support Lists

- Windows 7 PRO, 32bit/64bit
- Windows Embedded Standard 7, 32bit/64bit
- Windows 10 IoT, 32bit/64bit

Weight Information

- Gross weight: 5.9 kg
- Net weight: 4.5 kg

订货信息

型号	零件号	说明
eCC3800E	+70ECC3800E	6th Generation Intel® Core™ i7/i5/i3 LGA Fanless System with Expansion

eCC3800E-H110 技术数据



CPU Support

- Support 6th generation Intel® Core™ i7/i5/i3 LGA socket type embedded processor
- Core™ i7-6700TE, QuadCore, 2.4GHz, 8M Cache
- Core™ i5-6500TE, QuadCore, 2.3GHz, 6M Cache
- Core™ i3-6100TE, DualCore, 2.7GHz, 4M Cache
- Intel® Pentium® Processor G4400TE 2.4GHz, 3MCache
- Intel® Celeron® Processor G3900TE 2.3GHz, 2MCache
- Turbo-boost disabled by default

Main Memory

- 2 x DDR4 SO-DIMM socket, support up to 32GB with unbuffered and non-ECC

Display Option

- Two independent display - HDMI+DVI-D
- Front I/O Interface Status LEDs
- 2 x LAN active LEDs
- 2 x GPO status/COM1/2 TX/RX LEDs
- 1 x HDD access LEDs

Front I/O Interface

- 1 x ATX power on/o switch
- 2 x USB 2.0 ports (500mA per each)
- 1 x Line-out and
- 1 x Mic-in
- 2 x Antenna holes
- 1 x SIM card holder

Rear I/O Interface

- 2x DB9 for COM1 & COM2
- COM1:RS232/RS422/RS485
- COM2:RS232/RS422/RS485
- 4 x USB 3.0 ports (900mA per each)



- 1 x DVI-D port
- 1 x HDMI port
- 2 x Intel® I210IT GbE LAN ports; support WoL, teaming and PXE
- 1 x 2-pin remote power on/o switch
- +9V to 30V DC input
- Storage Device
- 1 x 2.5" HDD (SATA 3.0)
- 1 x mSATA (internal mini-PCIe socket)

Expansion Slot

- One PCIe x4 expansion slot
- Add-on card length: 169mm max.
- Power consumption: 1.0W/slot max.
- 2 x Internal mini-PCIe socket support optional Wi-Fi/3.5G/mSATA/Fieldbus

Power Requirements

- AT/ATX power mode (default: ATX power mode)
- Power input: +9 to +30V DC
- Power adapter: optional AC to DC power adapter (24V DC, 120W)

Dimensions

- 215 mm(W) x 272mm (D) x 93mm (H) without wall mount bracket (8.5" x 10.7" x 3.7")

Construction

- Aluminum and metal chassis with fanless design

Environment

- Operating temperature: Ambient with air flow: -5°C to 55° (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C to 85°C
- Relative humidity: 10% to 93% (non-condensing)
- Shock protection:
 - HDD: 20G, half sine, 11ms, IEC60068-2-27
- Vibration protection with HDD condition:
 - Random: 0.5Grms@5~500Hz, IEC60068-2-64
 - Sinusoidal: 0.5Grms@5~500Hz, IEC60068-2-6

Certifications

- CE approval
- EN61000-6-2
- EN61000-6-4
- FCC Class A
- UL

OS Support Lists

- Windows 7 PRO, 32bit/64bit
- Windows Embedded Standard 7, 32bit/64bit
- Windows 10 IoT, 32bit/64bit

Weight Information

- Gross weight: 5.9kg
- Net weight: 4.5kg

订货信息

型号	零件号	说明
eCC3800EH110	+70ECC3800EH110	6th Generation Intel Core i7/i5/i3 LGA Fanless system with H110 chipset

eCCF105 - 技术数据



CPU Support

- Onboard Intel® Atom™ x5-E3930 processor Dual Core 1.8GHz

Main Memory

- On-board type 4GB DDR3L RAM
- Un-buffered and non-ECC

Display Output

- 1 x HDMI display

I/O Interface-Front

- 2 x Intel® I210IT GbE LAN ports; support WoL, teaming and PXE
- 4 x USB 3.0 (900mA)
- 1 x External SD card slot (data storage only)
- 1 x Power/1x HDD access LEDs
- 1 x Battery low/1x GPO programming LED
- 2 x Tx/Rx LEDs
- 1 x ATX power on/off switch

I/O Interface-Top

- 1 x Remote switch/1 x S3
- 1 x SIM card slot
- 1 x RTC battery socket

I/O Interface-Bottom

- 2 x DB9, support RS232/422/485 with Auto Flow Control
- 1 x Optional DB9, support 4 x GPI and 4 x GPO

Internal I/O Interface

- 1 x USB2.0, 500mA max.
- 1 x COM3, pin header, RS232 with Tx/Rx/RTS/CTS signal only
- 1 x COM4, pin header, RS232 with Tx/Rx/RTS/CTS signal only

- 4 x GPI and 4 x GPO (General purpose I/O), TTL 5V

Storage Device

- Onboard 16GB eMMC
- Optional mSATA module

Power Requirement

- Power input: typical +24VDC ±20%
- 1 x Optional 24V, 60W power adapter

Dimensions

- 46.2mm (W) x 100mm (D) x 120mm (H)

Construction

- Aluminum and Metal Chassis with front access design

Environment

- Operating temperature: Ambient with air flow: -10°C to 60°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C to 75°C
- Relative humidity: 10% to 93% (non-condensing)
- Shock protection:
 - mSATA/eMMC: 50G, half sine, 11ms, IEC60068-27
- Vibration protection w/ mSATA or eMMC condition:
 - Random: 2Grms @ 5~500 Hz, IEC60068-2-64
 - Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6

Certifications

- CE approval
 - EN61000-6-2
 - EN61000-6-4
- FCC Class A

Support OS

- Windows 10 IoT , 32bit/64bit

订货信息

型号	零件号	说明
eCCF105	+70ECCF105	Intel® Atom™x5-E3930 Dual Core Factory Automation Fanless System with Palm Size form Factor

eCCF104M 技术数据



CPU Support

- onboard Intel Celeron® processor J1900, Quad Core 2GHz

Main Memory

- onboard type 4GB DDR3L RAM (J1900), un-buffered and non-ECC

Display Option

- HDMI

I/O Interface-Front

- LED for power, battery, TX, RX, WWAN, WLAN, GPO1, GPO2
- 1 x RS-232/485 with auto flow control (support 2.5KV isolation protection)
- 2 x Intel® I211 GbE LAN controller (both jumbo frame: 9KB)
- 1 x USB 3.0 ports (900mA per each)
- 1 x USB 2.0 ports (500mA per each)

I/O Interface-Top

- 1 x HDMI port
- 1 x System reset button
- 1 x 4-in/4-out 5V GPIO via 10-pin terminal block (5V/TTL type)

Storage Device

- optional mSATA module (no eMMC onboard)

Expansion Options

- 1 x Full size mini-PCIe socket
- USB & mSATA signal
- 1 x Half size mini-PCIe socket for optional Wi-Fi/4G/3.5G/LTE modules (USB signal & PCIe signal)

Power Requirement

- Power input: typical +24VDC ±20%
- 1 x Optional 24V, 60W power adapter

Dimensions

- 56.5mm (W) x 100mm (D) x 130mm (H)

Construction

- Aluminum and metal chassis with front access design

Environment

- Operating temperature: Ambient with air flow: -5~50°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C~80°C
- Relative humidity: 10%~93% (non-condensing)
- Shock protection:
mSATA/eMMC: 50G, half sine, 11ms, IEC60068-27
- Vibration protection w/ mSATA or eMMC condition:
Random: 2Grms@5~500Hz, IEC60068-2-64
Sinusoidal: 2Grms@5~500Hz, IEC60068-2-6

Certifications

- CE Approval
EN61000-6-2
EN61000-6-4
- FCC Class A

Support OS

- Windows 10 IoT Enterprise, 64-bit
- Windows Embedded Standard 7, 32-bit/64-bit
- Linux Kernel version 3.8.0
- Ubuntu 14.04

订货信息

型号	零件号	说明
eCCF104M	+70ECCF104M	Intel® Celeron® (J1900) Factory Automation Fanless System in Palm Size

eCCF200 - 技术数据



CPU Support

- Onboard Intel® Celeron® processor J1900 Quad Core 2.0GHz
- Support Intel® Atom™ E3800 processor family from Single Core E3815, Dual Core E3825/E3826/E3827 and Quad Core E3845 with difference SKUs

Main Memory

- 2 x DDR3L SO-DIMM socket, support DDR3L 1066/1333 8GB RAM max., un-buffered and non-ECC

Display Option

- Dual independent display - DVI-I and DP

I/O Interface-Front

- ATX power on/off switch
- LEDs for HDD LED, batty LEDs, power LED, COM port Tx/Rx, 5x programmable GPO LEDs
- 1 x External SD card
- 1 x SIM card holder
- 2 x Intel® I210AT GbE LAN ports, support WoL, teaming and PXE
- 1 x DP display output
- 1 x DVI-I display output
- 1 x USB 3.0 (900mA per each)
- 3 x USB 2.0 (500mA per each)
- 2 x RS232/422/485 support auto flow control
 - Jumper-free setting on RS232/422/485
 - Support 2.5kV isolation protection on COM1
- 1 x 3-pin DC input, typical 24V DC input with ±20% range

Storage Device

- 1 x 2.5" SSD/HDD (SATA 2.0) - front accessible
- 1 x SD card (data storage only)
- 1 x mSATA

Expansion Slot

- 2 x mini-PCIe socket for optional Wi-Fi/3.5G/4G LTE/fieldbus modules

Power Requirement

- Typical 24V DC input with ±20% range, with reverse polarity protection
- 1 x Optional 24V, 60W power adapter

Dimensions

- 85mm (W) x 157mm (D) x 214mm (H)

Construction

- Aluminum and metal chassis with fanless design

Environment

- Operating temperature: Ambient with air flow: -5°C to 55°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C to 80°C
- Relative humidity: 10% to 95% (non-condensing)
- Shock protection:
 - HDD: 20G, half sine, 11ms, IEC60068-2-27
 - SSD: 50G, half sine, 11ms, IEC60068-2-27
- Vibration protection w/ SSD condition:
 - Random: 2Grms @ 5~500Hz, IEC60068-2-64
 - Sinusoidal: 2Grms @ 5~500Hz, IEC60068-2-64

Certifications

- CE approval
 - EN61000-6-2
 - EN61000-6-4
- FCC Class A
- LVD
- UL60950

Support OS

- Windows 7 PRO, 32bit/64bit
- Windows Embedded Standard 7, 32bit/64bit
- Windows 10 IoT, 32bit/64bit

订货信息

型号	零件号	说明
eCCF200	+70ECCF200	Intel® Celeron® J1900 Quad Core 2.0GHz Factory Automation Fanless System with Fieldbus Expansion Ability

eCCF300 - 技术数据



CPU Support

- Support 6th generation Intel® Core™ i7/i5/i3 LGA socket type processors
 - Core™ i7-6700TE, Quad Core, 2.4GHz, 8M Cache (maximum frequency 3.4GHz if turbo boost enabled)
 - Core™ i5-6500TE, Quad Core, 2.3GHz, 6M Cache (maximum frequency 3.3GHz if turbo boost enabled)
 - Core™ i3-6100TE, Quad Core, 2.7GHz, 4M Cache (no turbo boost)
 - Pentium G4400TE, Dual Core, 2.4GHz, 3M Cache (no turbo boost)
 - Celeron® G3900TE, Dual Core, 2.3GHz, 2M Cache (no turbo boost)

Main Memory

- 2 x DDR4 SO-DIMM socket, supports 2133MHz and up to 8GB with un-buffered and non-ECC type

Display Option

- Dual independent display -HDMI + DVI-D

Front I/O Interface Status LEDs

- 1 x Battery/1 x C-Fast LEDs
- 4 x GPO status/2 x Tx/Rx LEDs
- 1 x Power/1 x HDD access LEDs

Front I/O Interface

- 1 x ATX power on/off switch
- 1 x HDMI and 1 x DVI-D
- 4 x USB 3.0 ports (900mA per each)
- 2 x USB 2.0 ports (500mA per each)
- 1 x Line-out and 1 x Mic-in
- 2 x Antenna holes for WI-FI/ GSM
- 1 x Front access 2.5" HDD tray
- 1 x mini-PCIe expansion support optional modules
- 2 x RS232/422/485 auto with 2.5KV Isolation
- 3 x Intel® I210IT GbE LAN ports, support WoL, teaming and PXE

Top I/O Interface

- 1 x 3-pin remote switch
- 1 x CFast expansion
- 1 x SIM card

Storage Device

- 1 x CFast (SATA 3.0)
- 1 x 2.5" HDD (external, SATA 3.0)
- 1 x 2.5" HDD (internal, SATA 3.0)
- 1 x mSATA (via internal mini-PCIe socket)

Expansion Slot

- eCCF300: no expansion
- Power Requirement
 - AT/ ATX power mode (default with ATX power mode)
 - Power input: typical +24VDC ±20%, with reverse polarity protection
 - Power adapter: optional AC to DC power adapter (+24VDC, 120W)

Dimensions

- eCCF300: 90 mm(W) x 185mm (D) x 251mm (H)

Construction

- Aluminum and metal chassis with front access design

Environment

- Operating temperature: Ambient with air flow: -5°C to 55°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C to 85°C
- Relative humidity: 10% to 93% (non-condensing)
- Shock protection:
 - HDD: 20G, half sine, 11ms, IEC60068-27
 - CFast: 50G, half sine, 11ms, IEC60068-27
- Vibration protection w/ HDD condition:
 - Random: 0.5Grms @ 5~500 Hz, IEC60068-2-64
 - Sinusoidal: 0.5Grms @ 5~500 Hz, IEC60068-2-64

Certifications

- CE approval
 - EN61000-6-2
 - EN61000-6-4
- FCC Class A
- LVD

OS Support Lists

- Windows 7 PRO, 32bit/64bit
- Windows Embedded Standard 7, 32bit/64bit
- Windows 10 IoT, 32bit/64bit

订货信息

型号	零件号	说明
eCCF300	+70ECCF300	6th Generation Intel® Core™ i7/i5/i3 LGA Automation System

MON - 工业平板显示器

重载工业触摸屏

大多数EXOR重载工业触摸屏具有IPC或EPC系列相同的外观，都适用于工业环境应用。



概述

所有产品都具有广泛而灵活的一系列配置。您将拥有适合您需求的产品。

所有产品均具有鲁棒性的机械结构，适合最苛刻的应用。

eTOP-MON1205T1 技术数据



Panel

- LCD size: 12.1", 4:3
- Resolution: XGA 1024 x 768
- Luminance: 500cd/m²
- Contrast ratio: 700
- LCD color: 16.7M
- Viewing angle: 70 (U), 70 (D), 80 (L), 80 (R)
- Backlight: LED

Touch Screen

- 5-Wire resistive (flush panel type)
- Light transmission: 80%
- Interface: USB and RS232



Rear I/O

- Touch screen interface port: RS-232 (1 x DB9)/USB type A
- Video port: VGA (1 x DB15)/DVI-D (1 x DVI-I connector)/DisplayPort
- DC power input connector: 3-pin Phoenix terminal Blocks

OSD Function

- OSD keypad
- Multilanguage OSD



Mechanical & Environment

- Color: Pantone black and black silver chassis box
 - IP protection: IP65 front
 - Mounting: panel/wall/stand/VESA 100mm x 100mm
 - Power
- Power input: 12V~24VDC

Power adapter: optional AC to DC power adapter (+12V, 60W)

- Vibration
IEC 68 2-64
2Grms @ sine, 5~500Hz, 1hr/axis (operating)
2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock
IEC 68 2-27
20G@wall mount, half sine, 11ms
Operating temperature: -5°C~50°C
Storage temperature: -20°C~75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 317 x 243 x 53.5mm
- Weight: 2.8 kg

Certifications

- CE approval
- FCC Class B

订货信息

型号	零件号	说明
eTOP-MON1205T1	+73MON1205T1	12.1" IP65 Industrial 4:3 XGA LCD Flush Touch Monitor

eTOP-MON1500T1 技术数据



Panel

- LCD size: 15", 4:3
- Resolution: XGA 1024 x 768
- Luminance: 400cd/m2
- Contrast ratio: 2500
- LCD color: 16.7M
- Viewing angle: 88 (U), 88 (D), 88 (L), 88 (R)
- Backlight: LED

Touch Screen

- 5-Wire resistive (flush panel type)
- Light transmission: 81%
- Interface: USB and RS232



Rear I/O

- Touch screen interface port: RS-232 (1 x DB9)/USB type A
- Video port: VGA (1 x DB15)/DVI-D (1 x DVI-I connector)/DisplayPort
- DC power input connector: 3-pin Phoenix terminal blocks
- OSD Function
- OSD keypad
- Multilanguage OSD



Mechanical & Environment

- Color: Pantone black and black silver chassis box
- IP protection: IP65 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power
Power input: 12V~24VDC
Power adapter: optional AC to DC power adapter (+12V, 60W)
- Vibration
IEC 68 2-64

- 2Grms @ sine, 5~500Hz, 1hr/axis (operating)
- 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock
IEC 68 2-27
20G@wall mount, half sine, 11ms
- Operating temperature: -5°C~50°C
- Storage temperature: -20°C~75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 384.37 x 309.95 x 51mm
- Weight: 3.9 kg

Certifications

- CE approval
- FCC Class B

订货信息

型号	零件号	说明
eTOP-MON1500T1	+73MON1500T1	15" XGA industrial 4:3 LED Backlight flush touch monitor

eTOP-MON1700T1 技术数据



Panel

- LCD size: 17", 4:3
- Resolution: SXGA 1280 x 1024
- Luminance: 350cd/m²
- Contrast ratio: 800
- LCD color: 16.7M
- Viewing angle: 60 (U), 80 (D), 80 (L), 80 (R)
- Backlight: LED

Touch Screen

- 5-Wire resistive (flush panel type)
- Light transmission: 81%
- Interface: USB and RS232

Rear I/O

- Touch interface port: RS232 (1 x DB9)/USB type A
- Video port: VGA (1 x DB15)/DVI-D (1 x DVI-I connector)/DisplayPort
- DC power input connector: 3-pin Phoenix terminal blocks

OSD Function

- OSD keypad
- Multilanguage OSD

Mechanical & Environment

- Color: Pantone black and black silver chassis box
- IP protection: IP65 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power
Power input: 12V~24VDC
Power adapter: optional AC to DC power adapter (+12V, 60W)
- Vibration
IEC 68 2-64

- 2Grms @ sine, 5~500Hz, 1hr/axis (operating)
- 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock
IEC 68 2-27
20G@wall mount, half sine, 11ms
- Operating temperature: -5°C~50°C
- Storage temperature: -20°C~75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 410.4 x 340.4 x 53.9mm
- Weight: 4.8 kg

Certifications

- CE approval
- FCC Class B



订货信息

型号	零件号	说明
eTOP-MON1700T1	+73MON1700T1	17" SXGA industrial 4:3 LED Backlight flush touch monitor

eTOP-MON1900T1 技术数据



Panel

- LCD size: 19", 4:3
- Resolution: SXGA 1280 x 1024
- Luminance: 350cd/m²
- Contrast ratio: 1000
- LCD color: 16.7M
- Viewing angle: 80 (U), 80 (D), 85 (L), 85 (R)
- Backlight: LED

Touch Screen

- 5-Wire resistive (flush panel type)
- Light transmission: 81%
- Interface: USB and RS232



Rear I/O

- Touch interface port: RS-232 (1 x DB9)/USB type A
- Video port: VGA (1 x DB15)/DVI-D (1 x DVI-I connector)/DisplayPort
- DC power input connector: 3-pin Phoenix terminal blocks

OSD Function

- OSD keypad
- Multilanguage OSD



Mechanical & Environment

- Color: Pantone black and black silver chassis box
- IP protection: IP65 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- Power
Power input: 12V~24VDC
Power adapter: optional AC to DC power adapter (+12V, 60W)
- Vibration
IEC 68 2-64

- 2Grms @ sine, 5~500Hz, 1hr/axis (operating)
- 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- Shock
IEC 68 2-27
20G@wall mount, half sine, 11ms
- Operating temperature: -5°C~50°C
- Storage temperature: -20°C~75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 457.64 x 379.24 x 49.15mm
- Weight: 5.5 kg

Certifications

- CE approval
- FCC Class B

订货信息

型号	零件号	说明
eTOP-MON1900T1	+73MON1900T1	19" SXGA industrial 4:3 LED Backlight flush touch monitor

eTOP-MON1600P - 技术数据



Panel

- LCD size: 15.6", 16:9
- Resolution: WXGA 1366 x 768
- Luminance: 400 cd/m²
- Contrast ratio: 500
- LCD color: 16.7M
- Viewing angle: 80 (U), 80 (D), 85 (L), 85 (R)
- Backlight: LED

Touch

- Ten points P-Cap (projected capacitive touch)
- Touch light transmission: 87%
- Anti-scratch surface: 7H hardness
- Touch interface: USB



Rear I/O

- Touch interface port: USB with Lock
- Video port: VGA (1 x DB15)/DVI-D (1 x DVI-D connector)/DisplayPort
- DC power input connector: 3-pin PHOENIX terminal Blocks

OSD Function

- OSD keypad
- Multilanguage OSD



Mechanical & Environment

- Color: Pantone 432C/RAL 70 24 front bezel
- IP protection: IP66 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- System with panel mounting kit w/o panel mounting hole
- Power input: 12~24VDC
- Power adapter: optional AC to DC power adapter (+12V, 60W)
- Vibration:

IEC 68 2-64

- 2Grms @ sine, 5~500Hz, 1hr/axis (operating)
- 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)

Shock:

IEC 68 2-27

HDD: 20G@wall mount, half sine, 11ms

- Operating temperature: -10°C to 60°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 417.4 x 312.4 x 51.75mm
- Weight: 5.48Kg

Certifications

- CE (including EN61000-6-1/EN61000-6-2/EN61000-6-3/EN61000-6-4)
- FCC Class B

订货信息

型号	零件号	说明
eTOP-MON1600P	+73MON1600P	15.6" IP66 Heavy Industrial 16:9 WXGA Zero Bezel Flush Touch Monitor

eTOP-MON1800P - 技术数据



Panel

- LCD size: 18.5", 16:9
- Resolution: WXGA 1366 x 768
- Luminance: 400cd/m2
- Contrast ratio: 1000
- LCD color: 16.7M
- Viewing angle: 80 (U), 80 (D), 85 (L), 85 (R)
- Backlight: LED

Touch

- Ten points P-Cap (projected capacitive touch)
- Touch light transmission: 87%
- Anti-scratch surface: 7H hardness
- Touch interface: USB
- Windows 8 compliance



Rear I/O

- Touch interface port: USB with Lock
- Video port: VGA (1 x DB15)/DVI-D (1 x DVI-D connector)/DisplayPort
- DC power input connector: 3-pin PHOENIX terminal blocks

OSD Function

- OSD keypad
- Multilanguage OSD



Mechanical & Environment

- Color: Pantone 432C/RAL 70 24 front bezel
- IP protection: IP66 front
- Mounting: panel/wall/stand/VESA 100mm x 100mm
- System with panel mounting kit w/ o panel mounting hole
- Power input: 12~24VDC
- Power adapter: optional AC to DC power adapter (+12V, 60W)

Vibration:

- IEC 68 2-64
- 2Grms @ sine, 5~500Hz, 1hr/axis (operating)
- 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non operating)

Shock:

- IEC 68 2-27
- HDD: 20G@wall mount, half sine, 11ms
- Operating temperature: -10°C to 60°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 490.8 x 320.6 x 50.65mm
- Weight: 6.24Kg

Certifications

- CE (including EN61000-6-1/EN61000-6-2/EN61000-6-3/EN61000-6-4)
- FCC Class B

订货信息

型号	零件号	说明
eTOP-MON1800P	+73MON1800P	18.5" IP66 Heavy Industrial 16:9 WXGA Zero Bezel Flush Touch Monitor

eTOP-MON2100P - 技术数据



Panel

- LCD size: 21.5", 16:9
- Resolution: full HD 1920 x 1080
- Luminance: 300cd/m2
- Contrast ratio: 5000
- LCD color: 16.7M
- Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)
- Backlight: LED

Touch

- Ten points P-Cap (projected capacitive touch)
- Touch light transmission: 87%
- Anti-scratch surface: 7H hardness
- Touch interface: USB
- Windows 8 compliance

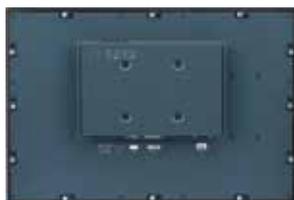


Rear I/O

- Touch interface port: USB with Lock
- Video port: VGA (1 x DB15)/DVI-D (1x DVI-D connector)/DisplayPort
- DC power input connector: 3-pin PHOENIX terminal blocks

OSD Function

- OSD keypad
- Multilanguage OSD



Mechanical & Environment

- Color: Pantone 432C\RAL 70 24 front bezel
- IP protection: IP66 front
- Mounting: panel/ wall/ stand/ VESA 100mm x 100mm
- System with panel mounting kit w/o panel mounting hole
- Power input: 12~24VDC
- Power adapter: optional AC to DC power adapter (+12V, 60W)

Vibration:

- IEC 68 2-64
- 2Grms @ sine, 5~500Hz, 1hr/axis (operating)
- 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)

Shock:

- IEC 68 2-27
- HDD: 20G@wall mount, half sine, 11ms
- Operating temperature: -10°C to 60°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10%~90% relative humidity, non-condensing
- Dimension: 562.4 x 382.4 x 50.85mm
- Weight: 7.87Kg

Certifications

- CE (including EN61000-6-1/EN61000-6-2/EN61000-6-3/EN61000-6-4)
- FCC Class B

订货信息

型号	零件号	说明
eTOP-MON2100P	+73MON2100P	21.5" IP66 Heavy Industrial 16:9 WXGA Zero Bezel Flush Touch Monitor

产品对照表

	eXware703	eXware707	eXware707Q	eXware705
System resources				
CPU	ARM Cortex-A8 1 GHz	ARM Cortex-A9 800 MHz dual core	ARM Cortex-A9 800 MHz quad core	ARM Cortex-A8 300 MHz
Operating System	Linux RT	Linux RT	Linux RT	Linux RT
Flash	4 GB	4 GB	8 GB	2 GB
RAM	512 MB	1 GB	2 GB	256 MB
Real Time Clock, RTC Back-up, Buzzer	Yes	Yes	Yes	Yes
Interface				
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100)	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)	2 (port 0 - 10/100, port 1 - 10/100)
USB port	1 (Host v. 2.0, max. 500 mA)	2 (Host v. 2.0, max. 500 mA)	2 (Host v. 2.0, max. 500 mA)	1 (Host v. 2.0, max. 100 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 2 serial ports using plug-in modules.	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.	2 (RS-232, RS-485, RS-422, software configurable, optical isolation)
SD card	Yes	Yes	Yes	-
Expansion	1 slot for plug-in modules	2 slots for plug-in modules	2 slots for plug-in modules	-
Ratings				
Power supply	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (9 to 32 VDC)
Current Consumption	0.35 A max. at 24 VDC	0.5 A max. at 24 VDC	0.55 A max. at 24 VDC	0.15A max. at 24 VDC
Input Protection	Electronic	Electronic	Electronic	Electronic
Battery	Yes	Yes	Yes	Yes
Environment Conditions				
Operating Temp	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-15°C to +65°C
Storage Temp	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Operating / Storage Humidity	5 - 85% RH, non condensing	5 - 85% RH, non condensing	5 - 85% RH, non condensing	5 - 85% RH, non condensing
Protection Class	IP20	IP20	IP20	IP67
Dimensions and Weights				
Faceplate LxH	45x134 mm (1.77x5.27")	44 x 174 mm	44 x 174 mm	152x118 mm
Depth D	102 mm (4.01")	144 mm	144 mm	53 mm
Weight	0.6 Kg	0.7 Kg	0.7 Kg	280g
Mounting	DIN Rail (TS35)	DIN Rail (TS35)	DIN Rail (TS35)	-
Approvals				
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for industrial environments, Emission EN 61000-6-3, Immunity EN 61000-6-1 for residential environments, EN 60945, EMC Emissions and Immunity for marine applications			
UL	cULus: UL61010-1 / UL61010-2-201			
UL	cULus: Class 1 Div 2			
IECEX	Zone 2: Ex nA IIC T5 Gc	Zone 2: Ex nA IIC T5 Gc / -20°C ≤ Tamb ≤ +60°C. Limited to 0°C ≤ Tamb ≤ +50°C with PLI003	Zone 2: Ex nA IIC T5 Gc / -20°C ≤ Tamb ≤ +60°C. Limited to 0°C ≤ Tamb ≤ +50°C with PLI003	-
ATEX	Zone 2: II 3 G Ex nA IIC T5 Gc	Zone 2: II 3 G Ex nA IIC T5 Gc / -20°C ≤ Tamb ≤ +60°C. Limited to 0°C ≤ Tamb ≤ +50°C with PLI003	Zone 2: II 3 G Ex nA IIC T5 Gc / -20°C ≤ Tamb ≤ +60°C. Limited to 0°C ≤ Tamb ≤ +50°C with PLI003	-
DNV-GL		Yes	Yes	
RCM		Yes	Yes	

	eX707FB	eX715FB	eTOP507MFB
System Resources			
Display - Colors	7" TFT 16.9 LED - 16M	15.6" TFT LED - 16M	7" TFT 16.9 LED - 64K
Resolution	800x480, WVGA	1366x768, HD	800x480, WVGA
Brightness	500 Cd/m2 typ.	400 Cd/m2 typ.	400 Cd/m2 typ.
Dimming	to 0%	to 0%	to 0%
Touchscreen	True Glass Projected Capacitive, Multitouch	True Glass Projected Capacitive, Multitouch	True Glass Projected Capacitive
CPU	ARM Cortex-A9 dual core 800 MHz	ARM Cortex-A9 quad core 800 MHz	ARM Cortex-A8 - 1 GHz
Operating System	Linux RT	Linux RT	Microsoft Windows CE 6.0
Flash	4 GB	8 GB	256 MB
RAM	1 GB	2 GB	256 MB
Real Time Clock, RTC Back-up, Buzzer	Yes	Yes	Yes
Interface			
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port		2 (Host V2.0, max. 500 mA)	
Serial port	1 (RS-232, RS-485, RS-422, software configurable). Max 3 serial ports using plug-in modules.	Yes	
SD card		2 slot for plug-in modules	
Ratings			
Power supply	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)
Current Consumption	0.7 A at 24 VDC (max.)	1.2 A at 24 VDC (max.)	0.9 A at 24 VDC (max.)
Input Protection		Electronic	
Battery		Rechargeable Lithium battery, not user-replaceable	
Environment Conditions			
Operating Temperature	-20° to +60 °C (vertical installation)	-20° to +60 °C (vertical installation)	Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temperature	-20°C to +70°C	-30°C to +80°C	-40 to +85 °C
Operating / Storage Humidity		5-85% RH, non condensing	
Protection Class		IP69 (front), IP20 (rear)	
Dimensions and Weights			
Faceplate LxH	217x177 mm (8.54x6.96")	450x295mm	217x177 mm (8.54x6.96")
Cutout AxB	176x136 mm (6.93x5.35")	411x256 mm (16.18x10")	176x136 mm (6.93x5.35")
Depth D+T	45+10 mm (1.77+0.4")	56+8 mm (2.20+0.33")	45+10 mm (1.77+0.4")
Weight	2.5 kg	5.2 kg	2.5 kg
Approvals			
CE		Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments	
UL		cULus: UL61010-1 / UL61010-2-201	cULus: UL508
RCM	Yes	Yes	Yes

	eX707G	eX710G	eTOP507G	eTOP507MG	eTOP510G	eTOP515G
System Resources						
Display - Colors	7" TFT 16:9 LED - 16M 800x480, WVGA 600 Cd/m ² typ.	10.1" TFT 16:9 LED - 16M 1280x800, WXGA 800 Cd/m ² typ.	7" TFT 16:9 LED - 64K 800x480, WVGA 400 Cd/m ² typ.	7" TFT 16:9 LED - 64K 800x480, WVGA 400 Cd/m ² typ.	10.1" TFT 16:9 LED - 64K 1280x800, WXGA 600 Cd/m ² typ.	15" TFT LED - 64K 1024x768, XGA 1500 Cd/m ² typ
Brightness	600 Cd/m ² typ.	800 Cd/m ² typ.	400 Cd/m ² typ.	400 Cd/m ² typ.	600 Cd/m ² typ.	1500 Cd/m ² typ
Dimming			to 0%			
Touchscreen	True Glass Projected Capacitive, Multitouch					
CPU	ARM Cortex-A9 dual core 800 MHz	ARM Cortex-A9 dual core 800 MHz	ARM Cortex-A8 - 600 MHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A8 - 1 GHz
Operating system	Linux RT			Microsoft Windows CE 6.0		
Flash	4 GB	4 GB	128 MB	256 MB	256 MB	256 MB
RAM	1 GB	1 GB	256 MB	256 MB	256 MB	256 MB
Real Time Clock, RTC Back-up, Buzzer	Yes					
Interface						
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	2 (Host V2.0, max. 500 mA)					
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.					
SD card	Yes					
Expansion	2 slot for plug in modules					
Ratings						
Power supply	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)
Current Consumption	0.7 A at 24 VDC (max.)	1.0 A at 24 VDC (max.)	0.8 A at 24 VDC (max.)	0.9 A at 24 VDC (max.)	1.0 A at 24 VDC (max.)	1.4 A at 24 VDC (max.)
Input Protection	Electronic					
Battery	Rechargeable Lithium, not user-replaceable					
Environment Conditions						
Operating Temp	-20° to +60 °C (vertical installation). Plug-in modules and USB may limit max temp. to +50°C					
Storage Temp	-20°C to +70°C	-20°C to +70°C	-40 to +85 °C	-40 to +85 °C	-20 to +70 °C	-40 to +85 °C
Operating/Storage Humidity	5-85% RH, non condensing	5-85% RH, non condensing	5-85% RH, non condensing	5-85% RH, non condensing	5-85% RH, non condensing	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear)			IP69K (front), IP20 (rear)		
Dimensions and Weights						
Faceplate LxH	187x147 mm (7.36x5.79")	282x197 mm (11.10x7.80")	187x147 mm (7.36x5.79")	187x147 mm (7.36x5.79")	282x197 mm (11.10x7.80")	392x307 mm (15.43x12.08")
Cutout AxB	176x136 mm (6.93x5.35")	271x186 mm (10.67x7.32")	176x136 mm (6.93x5.35")	176x136 mm (6.93x5.35")	271x186 mm (10.67x7.32")	381x296 mm (15x11.65")
Depth D+T	47+8 mm (1.85+0.31")	56+8 mm (2.20+0.33")	47+8 mm (1.85+0.31")	47+8 mm (1.85+0.31")	52+8 mm (2.20+0.33")	56+8.5 mm (2.20+0.33")
Weight	1.5 Kg	2.5 Kg	Approx 1.0 Kg	Approx 1.0 Kg	Approx 2.7 Kg	Approx 4.0 Kg
Approvals						
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments, Emission EN 60945, Immunity EN 60945 for marine environments					
UL	cULus: UL61010-1 / UL61010-2-201					
UL	cULus: Class I Div. 2					
IECEX	Zone 2/22: Ex nA IIC T5 Gc, Ex tc IIIC T95°C Dc					
ATEX	Zone 2/22: II 3 G Ex nA IIC T5 Gc II 3 D Ex tc IIIC T95°C Dc					
DNV-GL	Yes					
EU RO MR	Yes					
RCM	Yes					

	eSMART04	eSMART04M	eSMART07M	eSMART10	eSMART107
System Resources					
Display - Colors	4.3" TFT 16:9 - 64K 480x272	4.3" TFT 16:9 - 64K 480x272	7" TFT 16:9 - 64K 800x480, WVGA	10.1" TFT 16:9 - 64K 1024x600, WVGA	7" TFT 16:9 - 64K 800x480, WVGA
Resolution	480x272	480x272	800x480, WVGA	1024x600, WVGA	800x480, WVGA
Brightness	200 Cd/m ² typ.	200 Cd/m ² typ.	200 Cd/m ² typ.	200 Cd/m ² typ.	200 Cd/m ² typ.
Dimming	Yes	Yes	Yes	Yes	to 0%
Touchscreen	Resistive	Resistive	Resistive	Resistive	Resistive
CPU	ARM Cortex-A8 - 300 MHz	ARM Cortex A8 1 GHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A9 dual core - 800 MHz
Operating System	Linux 3.12	Linux 3.12	Linux 3.12	Linux 3.12	Linux RT
Flash	2 GB	4 GB	4 GB	4 GB	4 GB
RAM	256 MB	512 MB	512 MB	512 MB	1 GB
Real Time Clock, RTC Back-up, Buzzer	Yes	Yes	Yes	Yes	Yes, Yes, No
Interface					
Ethernet port	1 (port 0 - 10/100)	1 (port 0 - 10/100)	1 (port 0 - 10/100)	1 (port 0 - 10/100)	2 (port 0 - 10/100/1000, port 1 - 10/100)
USB port	1 (Host v. 2.0, max. 500 mA)	1 (Host v. 2.0, max. 500 mA)	1 (Host v. 2.0, max. 500 mA)	1 (Host v. 2.0, max. 500 mA)	2 (Host v2.0, max. 100 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable)	1 (RS-232, RS-485, RS-422, software configurable)	1 (RS-232, RS-485, RS-422, software configurable)	1 (RS-232, RS-485, RS-422, software configurable)	2 (RS-232, 2 (RS-422/RS-485 (isolated), 2 (CAN 2.0b isolated)
SD card			No	No	
Expansion			No	No	
Ratings					
Power supply	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)
Current Consumption	0.25 A max. at 24 VDC	0.25 A max. at 24 VDC	0.3 A at 24 VDC (max.)	0.38 A at 24 VDC (max.)	0.3 A at 24 VDC (max.)
Input Protection			Automatic	Automatic	
Battery			Yes (Supercapacitor)	Yes (Supercapacitor)	
Environment Conditions					
Operating Temp			0 to 50 °C (vertical installation)		
Storage Temp			-20°C to +70°C		
Operating / Storage Humidity			5-85% RH, non condensing		
Protection Class			IP66, Type 2 and 4X (front), IP20 (rear)		
Dimensions and Weights					
Faceplate LxH	147x107 mm (5.78x4.21")	147x107 mm (5.78x4.21")	187x147 mm (7.36x5.79")	282x197 mm (11.10x7.80")	187x147 mm (7.36x5.79")
Cutout AxB	136x96 mm (5.35x3.78")	136x96 mm (5.35x3.78")	176x136 mm (6.93x5.35")	271x186 mm (10.66x7.32")	176x136 mm (6.93x5.35")
Depth D+T	29+5 mm (1.14+0.19")	29+5 mm (1.14+0.19")	29+5 mm (1.14+0.19")	29+6 mm (1.14+0.23")	29+5 mm (1.14+0.19")
Weight	Approx 0.4 Kg	Approx 0.4 Kg	Approx 0.6 Kg	Approx 1.0 Kg	0.875 Kg
Approvals					
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2, for installation in industrial environments, Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments				
UL	cULus: UL508				
UL	cULus: Class 1 Div 2	cULus: Class 1 Div 2	cULus: Class 1 Div 2	cULus: Class 1 Div 2	-
ATEX	Zone 2: II 3 G Ex ic ec IIC T6 Gc	Zone 2: II 3 G Ex ic ec IIC T6 Gc	Zone 2: II 3 G Ex ic ec IIC T6 Gc	Zone 2: II 3 G Ex ic ec IIC T6 Gc	-
DNV-GL	Yes				
EU RO MR	Yes				
RCM	Yes				

	eX705	eX707	eX710	eX715	eX721
System Resources					
Display - Colors	5" TFT 16:9 LED - 64K 800x480, WVGA 300 Cd/m ² typ.	7" TFT 16:9 LED - 16M 800x480, WVGA 500 Cd/m ² typ.	10.1" TFT 16:9 LED - 16M 1280x800, WXGA 500 Cd/m ² typ. to 0%	15.6" TFT LED - 16M 1366x768, HD 400 Cd/m ² typ.	21.5" TFT LED - 16M 1920x1080, full HD 300 Cd/m ² typ.
Resolution	800x480, WVGA	800x480, WVGA	1280x800, WXGA	1366x768, HD	1920x1080, full HD
Brightness	300 Cd/m ² typ.	500 Cd/m ² typ.	500 Cd/m ² typ.	400 Cd/m ² typ.	300 Cd/m ² typ.
Dimming			to 0%		
Touchscreen			True Glass Projected Capacitive, Multitouch		
CPU	ARM Cortex-A8 - 1 GHz	ARM Cortex-A9 dual core 800 MHz	ARM Cortex-A9 dual core 800 MHz Linux RT	ARM Cortex-A9 quad core 800 MHz	ARM Cortex-A9 quad core 800 MHz
Operating System					
Flash	4 GB	4 GB	4 GB	8 GB	8 GB
RAM	512 MB	1 GB	1 GB	2 GB	2 GB
Real Time Clock, RTC Back-up, Buzzer			Yes		
Interface					
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100)	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	1 (Host V2.0, max. 500 mA)		2 (Host V2.0, max. 500 mA)		
Serial port	1 (RS-232, RS-485, RS-422, softw.conf). Max 2 serial ports using plug-in modules.		1 (RS-232, RS-485, RS-422, software configurable). Max 3 serial ports using plug-in modules.		
SD card			Yes		
Expansion	1 slot for plug in modules	2 slot for plug in modules	2 slot for plug in modules	2 slot for plug in modules	2 slot for plug in modules
Ratings					
Power supply	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)
Current Consumption	0.6 A at 24 VDC (max.)	0.7 A at 24 VDC (max.)	1.0 A at 24 VDC (max.)	1.2 A at 24 VDC (max.)	1.7 A at 24 VDC (max.)
Input Protection			Electronic		
Battery			Rechargeable Lithium battery, not user-replaceable		
Environment Conditions					
Operating Temperature		-20° to +60 °C (vertical installation). Plug-in modules and USB devices may limit max temperature to +50 °C.			
Storage Temp		-20° to +70°C			
Operating / Storage Humidity		5-85% RH, non condensing			
Protection Class		IP66 (front), IP20 (rear)			
Dimensions and Weights					
Faceplate LxH	147x107 mm (5.78x4.21")	187x147 mm (7.36x5.79")	282x197 mm (11.10x7.80")	422x267 mm (16.6x10.5")	552x347 mm (21.7x13.66")
Cutout AxB	136x96 mm (5.35x3.78")	176x136 mm (6.93x5.35")	271x186 mm (10.67x7.32")	411x256 mm (16.18x10")	541x336 mm
Depth D+T	52+8 mm (2.40+0.31")	47+8 mm (1.85+0.31")	56+8 mm (2.20+0.33")	56+8 mm (2.20+0.33")	56+8.5 mm
Weight	1.3 Kg	1.5 Kg	2.5 Kg	4.1 Kg	6.1 Kg
Approvals					
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments				
UL	cULus: UL61010-1 / UL61010-2-201				
UL	cULus: Class 1 Div 2				
IECEX	Zone 2/22: Ex nA IIC T5 Gc, Ex tc IIIC T95°C Dc				
ATEX	Zone 2/22: II 3 G Ex nA IIC T5 Gc, II 3 D Ex tc IIIC T95°C Dc				
DNV-GL	Yes				
LR	Yes				
EU RO MR	Yes				
RCM	Yes				

	eTOP 504	eTOP 506	eTOP 507	eTOP 507M	eTOP 510	eTOP 512	eTOP 513	eTOP 515
System Resources								
Display - Colors	4.3" TFT 16:9 LED - 64K	5.7" TFT LED - 64K	7" TFT 16:9 LED - 64K	7" TFT 16:9 LED - 64K	10"4 TFT LED - 64K	12"1 TFT LED - 64K	13"3 TFT 16:9 LED - 64K	15" TFT LED - 64K
Resolution	480x272, WQVGA	320x240, QVGA	800x480, WVGA	800x480, WVGA	800x600, SVGA	800x600, SVGA	1280x800, WXGA	1024x768, XGA
Brightness	150 Cd/m ² typ.	200 Cd/m ² typ.	300 Cd/m ² typ.	300 Cd/m ² typ.	300 Cd/m ² typ.	300 Cd/m ² typ.	300 Cd/m ² typ.	300 Cd/m ² typ.
Dimming					to 0%			
Touchscreen					Resistive			
CPU	ARM Cortex-A8 - 600 MHz	ARM Cortex-A8 - 600 MHz	ARM Cortex-A8 - 600 MHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A8 - 1 GHz	ARM Cortex-A8 - 1 GHz
Operating System				Microsoft Windows CE 6.0				
Flash	128 MB	128 MB	128 MB	256 MB	256 MB	256 MB	256 MB	256 MB
RAM	256 MB DDR	256 MB DDR	256 MB DDR	256 MB DDR	256 MB DDR	256 MB DDR	256 MB DDR	256 MB DDR
Real Time Clock, RTC Back-up,Buzzer				Yes				
Interface								
Ethernet port				2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch				
USB port	1 (port 1 - Host V2.0)			2 (port 1 - Host V2.0, port 2 - Host V2.0/1.1)				
Serial port				1 (RS-232, RS-485, RS-422, software configurable)				
SD card				Yes				
Expansion	1 slot for plug in modules			2 slot for plug in modules				
Ratings								
Power supply	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)	24 VDC (10 to 32 VDC)
Current Consumption	0.55 A at 24 VDC (max.)	0.65 A at 24 VDC (max.)	0.7 A at 24 VDC (max.)	0.7 A at 24 VDC (max.)	1 A at 24 VDC (max.)	1.05 A at 24 VDC (max.)	1.15 A at 24 VDC (max.)	1.25 A at 24 VDC (max.)
Input Protection				Automatic				
Battery				Rechargeable Lithium battery, not user-replaceable				
Environment Conditions								
Operating Temp				0 to +50 °C				
Storage Temp				-20 to +70 °C				
Operating/Storage Humidity				5-85% RH, non condensing				
Protection Class				IP66 (front), IP20 (rear)				
Dimensions and Weights								
Faceplate LxH	147x107 mm (5.78x4.21")	187x147 mm (7.36x5.79")	187x147 mm (7.36x5.79")	187x147 mm (7.36x5.79")	287x232 mm (11.3x9.13")	336x267 mm (13.22x10.51")	336x267 mm (13.22x10.51")	392x307 mm (15.43x12.08")
Cutout AxB	136x96 mm (5.35x3.78")	176x136 mm (6.93x5.35")	176x136 mm (6.93x5.35")	176x136 mm (6.93x5.35")	276x221 mm (10.86x8.70")	326x256 mm (12.83x10.07")	326x256 mm (12.83x10.07")	381x296 mm (15x11.65")
Depth D+T	56+4 mm (2.40+0.16")	47+4 mm (1.85+0.16")	47+4 mm (1.85+0.16")	47+4 mm (1.85+0.16")	56+4 mm (2.20+0.16")	56+4 mm (2.20+0.16")	56+4 mm (2.20+0.16")	60+4 mm (2.36+0.16")
Weight	Approx 1.0 Kg	Approx 1.0 Kg	Approx 1.0 Kg	Approx 1.0 Kg	Approx 2.1 Kg	Approx 2.8 Kg	Approx 2.8 Kg	Approx 3.5 Kg
Approvals								
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments							
UL	cULus: UL508							
UL	cULus: Class I Div. 2							
DNV-GL	Yes							
RCM	Yes							

	JSmart705	JSmart707	JSmart710	JSmart715	JSmart721
System Resources					
Display - Colors	5" TFT – 16M 800x480	7" TFT – 16M 1024x600	10.1" TFT – 16M 1280x800	15.6" TFT – 16M 1366x768	21.5" TFT – 16M 1920x1080
Resolution	800x480	1024x600	1280x800	1366x768	1920x1080
Brightness	300 cd/m ² typ. to 0%	400 cd/m ² typ. to 0%	400 cd/m ² typ. to 0%	400 cd/m ² typ. to 0%	400 cd/m ² typ. to 0%
Dimming	to 0%	to 0%	to 0%	to 0%	to 0%
Touchscreen	Projected capacitive – Multitouch	Projected Capacitive – Multitouch	Projected Capacitive – Multitouch	Projected Capacitive – Multitouch	Projected Capacitive – Multitouch
CPU	ARM Cortex-A9 dual core - 800 MHz	ARM Cortex-A9 dual core - 800 MHz	ARM Cortex-A9 dual core - 800 MHz	ARM Cortex-A9 quad core - 800 MHz	ARM Cortex-A9 quad core - 800 MHz
Operating System	Linux RT	Linux RT	Linux RT	Linux RT	Linux RT
Flash	4 GB	4 GB	4 GB	8 GB	8 GB
RAM	1 GB	1 GB	1 GB	2 GB	2 GB
FRAM	64 KB	64 KB	64 KB	64 KB	64 KB
Real Time Clock, RTC Back-up	Yes	Yes	Yes	Yes	Yes
Interface					
Ethernet port	10/100 PoE	10/100 PoE	10/100 PoE	10/100 PoE	10/100 PoE
USB port		1 (Host V2.0, max. 500 mA, available with special cable)			
LED			1 RGB		
Sensors			Temperature, 3-Axis Accelerometer		
Wi-Fi*	No	IEEE 802.11a/b/g	IEEE 802.11a/b/g	IEEE 802.11a/b/g	IEEE 802.11a/b/g
Buzzer		Yes	Yes		
Ratings					
Power supply	IEEE 802.3af PoE	IEEE 802.3af PoE	IEEE 802.3af PoE	IEEE 802.3at PoE+	IEEE 802.3bt 4PPoE
Power Consumption	6 W	9 W	12 W	19 W	32 W
Battery			Yes (rechargeable)		
Environment Conditions					
Operating Temp			-20° to +55° C (vertical installation)		
Storage Temp			-30°C to +80°C		
Operating / Storage Humidity			5-85% RH, non-condensing		
Protection Class			IP67 (requires appropriate accessories and cables)		
Dimensions and Weights					
Faceplate LxH	148.3x105.1 mm (5.83x 4.13")	195.2x131.6 mm (7.68x5.18")	264.5x183.1 mm (10.41x7.20")	398.6x248 mm (15.69x 9.76")	534.1x325.6 mm (21.02x 12.81")
Depth D+T+T	16.5 mm (0.06")	16.5 mm (0.06")	16.5 mm (0.06")	26.5 mm (1.04")	26.5 mm (1.04")
Weight	0.5 Kg	0.7 Kg	1.2 Kg	4.0 Kg	6.0 Kg
Approvals					
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environment		EN 61000-6-2, EN 61000-6-4, EN 61000-6-1, EN 61000-6-3, ETSI EN 301 489-1, ETSI EN 301 489-17		
UL			cULus: UL61010-1 / UL61010-2-201	ETSI EN 300 328	
UL			cULus: Class 1 Div 2		
RCM			Yes		

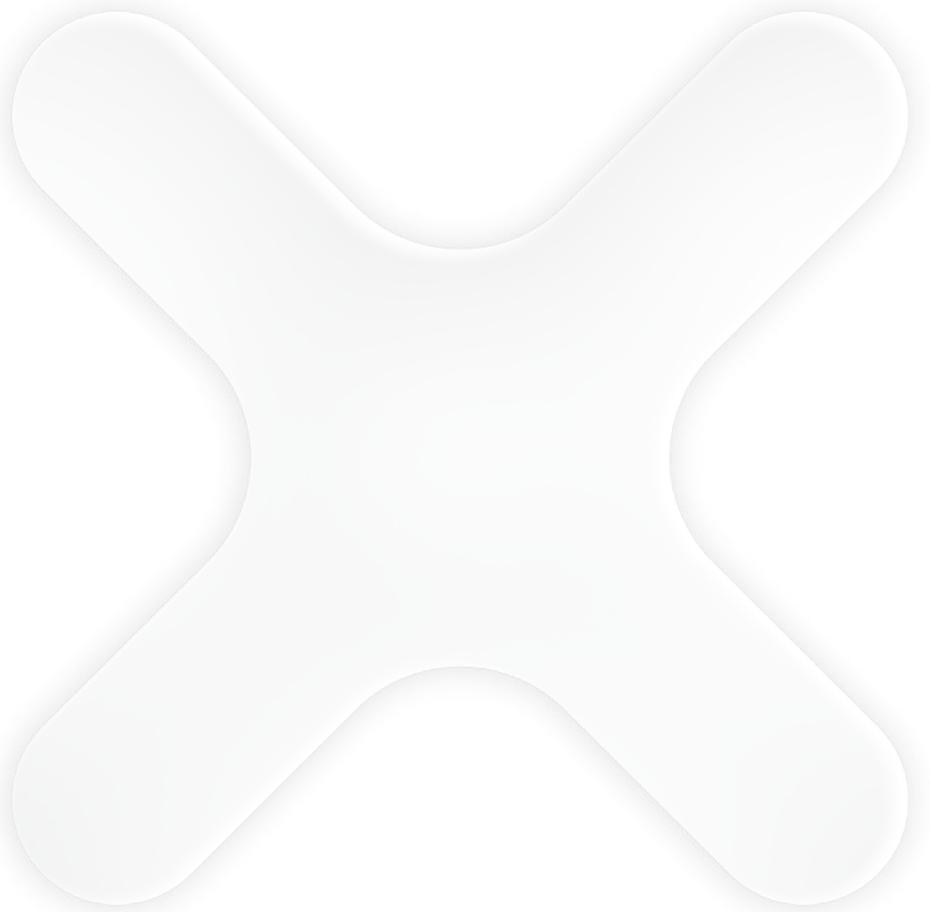
	EPC0840	EPC1240T	EPC1540T	EPC1740T	EPC1940T
LCD Size	8.0" 4:3	12.1" 4:3	15" 4:3	17" 4:3	19" 4:3
Max. Resolution	SVGA, 800 x 600	SVGA, 800 x 600	XGA, 1024 x 768	SXGA, 1280 x 1024	SXGA, 1280 x 1024
Luminance (cd/m ²)	400	500	400	350	350
Contrast Ratio	500	700	2500	800	1000
Viewing Angle (H-V)	50(U), 70(D), 70(L), 70(R)	65(U), 75(D), 80(L), 80(R)	88(U), 88(D), 88(L), 88(R)	60(U), 80(D), 80(L), 80(R)	80(U), 80(D), 85(L), 85(R)
Backlight			LED		
LCD Color	262K	16.7M	16.7M	16.7M	16.7M
Touch Screen			Resistive 5-wire		
Touch Light Transmission	82%	80%	81%	81%	81%
CPU	Intel Atom® E3825 dual core 1.46GHz	Intel® Celeron® J1900 quad core up to 2.0GHz	Intel® Celeron® J1900 quad core up to 2.0GHz	Intel® Celeron® J1900 quad core up to 2.0GHz	Intel® Celeron® J1900 quad core up to 2.0GHz
OS			Win7, Win10		
Memory	2GB DDR3L SO-DIMM module	4GB DDR3L SO-DIMM module	4GB DDR3L SO-DIMM module	4GB DDR3L SO-DIMM module	4GB DDR3L SO-DIMM module
CF Socket	1	1	1	1	1
2nd Display Output			VGA		
Ethernet (10/100/1000)			2		
Line-out			Line out		
USB 2.0/3.0	3/1	2/1	2/1	2/1	2/1
COM Port	2 x RS232/422/485	Isolation 2 x RS232/422/485	Isolation 2 x RS232/422/485	Isolation 2 x RS232/422/485	Isolation 2 x RS232/422/485
Power Switch	1/1	1/1	1	1	1
Remote Power Switch			2-pin		
Reset Button	1	1	1	1	1
Power Jack			Terminal blocks 3-pin phoenix connector		
Expansion	1 x mini-PCIe	2 x mini-PCIe	2 x mini-PCIe	2 x mini-PCIe	2 x mini-PCIe
Construction Front Panel			ABS+PC plastic front bezel		
Mounting			Panel/wall/stand/VESA 100 x 100 mm		
Power Input			+12 to 30V DC		
Power Supply Adapter			Optional		
Operating Temp.	-5°C to 50°C	-5°C to 60°C	-5°C to 60°C	-5°C to 60°C	-5°C to 60°C
Storage Temp.			-20°C to 75°C		
Operating Humidity			10%~90%, non-condensing		
IP Level			Front frame IP65		
Cut Out Size (W x H, mm)	209.6 x 176.1	304.5 x 230	371 x 297	399 x 329	436 x 366
Dimension (W x H x D, mm)	217.4 x 176.4 x 68.9	317 x 243 x 65.5	384.37 x 309.95 x 63	410.4 x 340.4 x 65.9	457.64 x 379.24 x 61.25
Net Weight (kg)	2.3	3.6	4.7	5.6	6.3
Certification			CE: EN61000-6-2/4; FCC Class A		

	IPC1040P	IPC1640P	IPC1840P	IPC2140P	IPC1570T	IPC1770T	IPC1970T	IPC1670P	IPC2170P
LCD Size	10.1" 16:9	15.6" 16:9	18.5" 16:9	21.5" 16:9	15" 4:3	17" 4:3	19" 4:3	15.6" 16:9	21.5" 16:9
Max. Resolution	WXGA 1280 x 800	HD, 1366x768	WXGA 1366 x 768	Full HD, 1920 x 1080	XGA, 1024 x 768	SXGA, 1280 x 1024	SXGA, 1280 x 1024	HD, 1366x768	Full HD, 1920 x 1080
Luminance (cd/m ²)	300	400	300	300	450	350	350	400	300
Contrast Ratio	1300	500	1000	5000	800	1000	1000	500	5000
Viewing Angle (H+V)	85(U), 85(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	89(U), 89(D), 89(L), 89(R)	70(U), 80(D), 80(L), 80(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	80(U), 80(D), 85(L), 85(R)	89(U), 89(D), 89(L), 89(R)
Backlight	LED	LED	LED	LED	LED	LED	LED	LED	LED
LCD Color	262K	16.7M	16.7M	16.7M	16.2M	16.7M	16.7M	16.7M	16.7M
Touch Screen	10 x point P-Cap	Resistive 5-wire	Resistive 5-wire	Resistive 5-wire	10 x point P-Cap	10 x point P-Cap			
Touch Light Transmission	87%	87%	87%	87%	81%	81%	80%	87%	87%
CPU	Intel Atom® quad core processor J1900, 2.0GHz	4th gen. Intel® Core™ i5/i3, LGA1150 socket	4th gen. Intel® Core™ i5/i3 LGA1150 socket						
Chipset	-	-	-	-	Intel® Q87	Intel® Q87	Intel® Q87	Intel® Q87	Intel® Q87
OS	Win7, Win10	Win7, Win10	Win7, Win10	Win7, Win10	Win7, Win10	Win7, Win10	Win7, Win10	Win7, Win10	Win7, Win10
Memory	4GB DDR3 SO-DIMM module	Max. 8GB DDR3/DDR3L	Max. 8GB DDR3/DDR3L	Max. 8GB DDR3/DDR3L	Max. 8GB DDR3/DDR3L	Max. 8GB DDR3/DDR3L			
CFast Socket	1	1	1	1	1	1	1	1	1
2nd Display Output	-	VGA	-	-	DVI+HDP	-	-	-	-
PS2 KB/MS	-	-	-	-	1	1	1	1	1
Ethernet (10/100/1000)	2	2	2	2	2	2	2	2	2
Line-out	-	Line-out	-	-	-	-	-	-	-
Line-in	-	-	-	-	Line-in	Line-in	Line-in	Line-in	Line-in
Mic-in	-	-	-	-	MIC-in	MIC-in	MIC-in	MIC-in	MIC-in
USB 2.0/3.0	2/1	2/1	2/1	2/1	1 (1 in front)/4	1 (1 in front)/4	1 (1 in front)/4	-/4	-/4
COM Port	Isolation 2 x RS232/422/485	2 x RS232/422/485	2 x RS232/422/485	2 x RS232/422/485	2 x RS232/422/485	2 x RS232/422/485			
Power Switch	1	1	1	1	1	1	1	1	1
Remote Power Switch	2-pin	2-pin	2-pin	2-pin	3-pin	3-pin	3-pin	3-pin	3-pin
Reset Button	1	1	1	1	1	1	1	1	1
Power Jack	-	-	-	-	Terminal blocks 3-pin phoenix Connector	Terminal blocks 3-pin phoenix Connector	Terminal blocks 3-pin phoenix Connector	Terminal blocks 3-pin phoenix Connector	Terminal blocks 3-pin phoenix Connector
Expansion	2 x mini-PCIe	2 x mini-PCIe	2 x mini-PCIe	2 x mini-PCIe	2 x mini-PCIe/ 2 x PCI or PCIe slots	2 x mini-PCIe/ 2 x PCI or PCIe slots	2 x mini-PCIe/ 2 x PCI or PCIe slots	2 x mini-PCIe/ 2 x PCI or PCIe slots	2 x mini-PCIe/ 2 x PCI or PCIe slots
Constr. Front Panel	Aluminum front zero bezel	Aluminum front zero bezel	Aluminum front zero bezel	Aluminum front zero bezel	Aluminum front zero bezel	Aluminum front zero bezel			
Mounting	Panel/wall/stand/VESA 100 x 100mm	+12 to 30V DC	+12 to 30V DC	+12 to 30V DC	+12 to 30V DC	+12 to 30V DC			
Power Input	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Power Supply Adapter	-	-	-	-	-	-	-	-	-
Operating Temp.	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-10°C to 50°C	-10°C to 50°C	-10°C to 50°C	-10°C to 50°C	-10°C to 50°C
Storage Temp.	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C
Operating Humidity	10%~90%, non-condensing	10%~90%, non-condensing	10%~90%, non-condensing	10%~90%, non-condensing	10%~90%, non-condensing	10%~90%, non-condensing	10%~90%, non-condensing	10%~90%, non-condensing	10%~90%, non-condensing
IP Level	Front frame IP66	Front frame IP66	Front frame IP66	Front frame IP66	Front frame IP66	Front frame IP66	Front frame IP66	Front frame IP66	Front frame IP66
Cut Out (W x H, mm)	294 x 209	398 x 293	475.4 x 305.2	544 x 364	382 x 312	434.4 x 358.9	452 x 382	398 x 293	544 x 364
Dimension (W x H x D)	308 x 223 x 60.7	417.4 x 312.4 x 63.75	490.8 x 320.6 x 62.6	562.4 x 382.4 x 62.85	400 x 330 x 104.9	451 x 375.5 x 105	470 x 400 x 104.9	417.4 x 312.4 x 105.95	562.4 x 382.4 x 105.05
Net Weight (kg)	3.7	6.4	8.2	9.26	8.3	9.5	10.3	9.18	11.7
Certifications	CE: EN61000-6-2/4; FCC Class A								

	eCC105	eCC106	eCC3600E	eCC3800E
CPU	Intel Atom® E3826 1.46GHz	Intel® Pentium® N3710 1.6GHz	3th Gen. Intel® Core™ Intel® Core i7/15/13 rPGA socket	6th Gen. Intel® Core™ i7/15/13 LGA socket
Chipset	Intel® Bay Trail-H	Intel® Braswell	Intel® Q77 PCH	Intel® Q170 PCH
Max. Memory	8GB DDR3L	8GB DDR3L	8GB DDR3/DDR3L	16GB DDR4
HDD Space	1 x 2.5" SATA 2.0 HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay	1 x 2.5" SATA HDD bay
CFast Socket	1 (external, SATA 2.0 CFast)	1 (external, CFast)	1 (External, CFast)	1 (external, M.2)
eMMC	-	-	-	-
VGA	-	-	1	-
LVDS	-	-	-	-
DVI	1 (DVI-H)	1 (DVI-H)	1 (DVI-D)	1 (DVI-D)
HDMI	1	1	-	1
DisplayPort	-	1	2	1
USB	2 x USB 2.0, 1 x USB 3.0	4 x USB 3.0	2 x USB 2.0/4 x USB 3.0	4 x USB 3.0, 2 x USB 2.0
Serial Port	4	4	6	2
RS422/485	2	2	1	2
RS422/485 Iso- lation	-	-	-	2
mini-PCIe	1	1	1	2
M.2	-	-	-	1
SIM Card Holder	1	1	1	1
GPIO	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
LAN Ports	2 x GbE	2 x GbE	2 x GbE	3x GbE
Audio	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out	Mic-in & Line-out
Power Input Range	ATX, DC + 9V ~ 30VDC	ATX, DC + 9V ~ 30VDC	ATX, DC + 9 ~ 30V	ATX, DC + 9 ~ 30V
Power Supply Adapter	Optional	Optional	Optional	Optional
Expansion	-	-	1 x PCIe x4	1 x PCIe x4
Win7 32-bit	V	V	V	V
Win7 64-bit	V	V	V	V
Win10 32-bit	V	V	V	-
Win10 64-bit	V	V	V	V
Operating temp. (w/ HDD) Based on IEC 60068 STD	-20°C to 70°C	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C
System Dimension (W x D x H, mm)	185 x 131 x 54	185 x 131 x 54	215 x 272 x 93	215 x 272 x 93
Carton Dimension (W x D x H, mm)	259 x 233 x 129	245 x 318 x 152	378 x 342 x 269	378 x 342 x 269
Net Weight (kg)	1.3	1.3	4.5	4.5
Gross Weight (kg)	2	2	5.9	5.9

	eCCF105	eCCF200	eCCF300
CPU	Intel Atom® x5-E3930 1.8GHz	Intel® Celeron® J1900 2.0GHz	6th Gen. Intel® Core™ i7/15/13 LGA socket (Skylake-S)
Chipset	Intel® Apollo Lake-I	Intel® Bay Trail-D	Intel® Q170
Max. Memory	Onboard 4GB DDR3L	8GB DDR3L	8GB DDR4
TPM	-	-	-
NVRAM	-	-	-
Storage	Onboard eMMC 16GB	1 x 2.5" SATA HDD bay	2 x 2.5" SATA HDD bay
CFast Socket	-	-	1 (external, CFast)
SD Card	1	1	-
DVI	-	1 (DVI-I)	1 (DVI-D)
HDMI	1	-	1
DisplayPort	-	1	-
USB	4 x USB 3.0	3 x USB 2.0, 1 x USB 3.0	2 x USB2.0, 4 x USB3.0
Serial Port	2	2	2
RS422/485	2 (RS232/422/485)	2 (RS232/422/485)	2 (RS232/422/485)
RS422/485 Iso- lation	2 (2.5KV isolation)	2 (2.5KV isolation)	2 (2.5KV isolation)
mini-PCIe	2 x Full size	2	2
SIM Card Holder	1	1	1
GPIO	4-in/4-out (internal)	4-in/4-out (internal)	4-in/4-out (internal)
LAN Port	2 x GbE (Intel® I210-IT)	2 x GbE	3 x GbE
Audio	-	Line-out (internal)	Mic-in & Line-out
Fieldbus I/O Support	-	1 (optional)	1 (optional)
Power Input Range	ATX, DC +24V	ATX, DC +24V	ATX, DC +24V
Win7 32-bit	-	V	V
Win7 64-bit	-	V	V
Win10 32-bit	-	V	V
Win10 64-bit	V	V	V
Power Supply Adapter	Optional	Optional	Optional
Expansion	-	-	-
Operating temp. (w/ HDD) Based on IEC 60068 STD	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C
System Dimension (W x D x H, mm)	46.2 x 100 x 120	85 x 157 x 214	90 x 185 x 251
Carton Dimension (W x D x H, mm)	223 x 191 x 206	346 x 265 x 200	389 x 329 x 251
Net Weight (kg)	0.7	2.3	3.5
Gross Weight (kg)	1.6	3.3	4.9

型号	MON1200T	MON1500T	MON1701T	MON1900T	MON1600P	MON1800P	MON2100P
LCD Size	12.1" 4:3	15" 4:3	17" 4:3	19" 4:3	15.6" 16:9	18.5" 16:9	21.5" 16:9
Max. Resolution	SVGA, 800 x 600	XGA, 1024 x 768	SXGA, 1280 x 1024	SXGA, 1280 x 1024	WXGA, 1366 x 768	WXGA, 1366 x 768	Full HD, 1920 x 1080
Luminance (cd/m2)	450	400	350	350	300	400	300
Contrast Ratio	700	2500	800	1000	500	1000	5000
Viewing Angle (H-V)	65 (U), 75 (D), 80 (L), 80 (R)	88 (U), 88 (D), 88 (L), 88 (R)	60 (U), 80 (D), 80 (L), 80 (R)	80 (U), 80 (D), 85 (L), 85 (R)	80 (U), 80 (D), 85 (L), 85 (R)	80 (U), 80 (D), 85 (L), 85 (R)	89 (U), 89 (D), 89 (L), 89 (R)
Backlight	LED	LED	LED	LED	LED	LED	LED
LCD Color	16.2M	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M
Touch Screen	Resistive 5-wire	Resistive 5-wire	Resistive 5-wire	Resistive 5-wire	10 Point P-Cap	10 Point P-Cap	10 Point P-Cap
Touch Light Transmission	80%	81%	81%	81%	87%	87%	87%
Touch Screen I/F	RS 232, USB	RS 232, USB	RS 232, USB	RS 232, USB	USB	USB	USB
OSD Function	OSD keypad	OSD keypad	OSD keypad				
Video Input	VGA; DVI-D	VGA; DVI-D	VGA; DVI-D	VGA; DVI-D	VGA; DVI-D; DP	VGA; DVI-D; DP	VGA; DVI-D; DP
Power Jack	Terminal blocks 3-pin phoenix connector	"Terminal Blocks 3-Pin Phoenix Connector"	"Terminal Blocks 3-Pin Phoenix Connector"	"Terminal Blocks 3-Pin Phoenix Connector"			
Construction Front Panel	ABS+PC plastic front bezel	Aluminum Front Zero Bezel	Aluminum Front Zero Bezel	Aluminum Front Zero Bezel			
Mounting			Panel/wall/stand/VESA 100 x 100 mm				
Power Input	+12 to 24V DC	+12~30VDC	+12~30VDC	+12~30VDC			
Power Supply Adapter	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Operating Temp.	-5°C to 50°C	-5°C to 50°C	-5°C to 50°C	-5°C to 50°C	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C
Storage Temp.	-20°C to 75°C	-20°C to 75°C	-20°C to 75°C				
Operating Humidity	10%~90%, non-condensing	10%~90%, Non-condensing	10%~90%, Non-condensing				
IP Level	Front frame IP65	Front frame IP65	Front frame IP65	Front frame IP65	Front Frame IP66	Front Frame IP66	Front Frame IP66
Cut Out Size (W x H, mm)	304.5 x 230	371 x 297	399 x 329	436 x 366	401 x 296	475.4 x 305.2	547 x 367
Dimension (W x H x D, mm)	317 x 243 x 53.5	384.37 x 309.95 x 51	410.4 x 340.4 x 53.9	457.64 x 379.24 x 49.15	417.4 x 312.4 x 51.75	490.8 x 320.6 x 50.65	562.4 x 382.4 x 50.85
Net Weight (kg)	2.9	3.9	4.8	5.5	5.48	6.24	7.87
Certifications	CE, FCC Class B	CE, FCC Class B	CE, FCC Class B				



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