



CONTENT

Industrial Automation Platform	X Platform	p. 3
Software	JMobile Suite	p. 6
	XPLC - Machine Control Ecosystem	p. 12
IoT Platform	CORVINA IoT Platform	p. 14
	Applications	p. 19
Hardware	eX700M & eX700 Series	p. 22
	JSmart700M & JSmart700 Series	p. 26
	eX200 Series	p. 30
	eSMART Series	p. 32
	eXware Series	p. 34
	MicroEdge Series	p. 36
	Web HMIs	p. 38
	Glass & XA Series	p. 44
	Food & Pharma Industry	p. 46
	Xedge Series	p. 48
	Accessories	p. 50
	Mobile HMIs	p. 54
	Industrial Panel PCs	p. 58
	Customised Solutions	p. 64
	Embedded Systems	p. 66

Your Challenge, Your Solution, Our Technology.

Your company faces the same old problem: How to make money today and how to make money tomorrow?

The varied solutions to this ever-present question do however alter over time. Industry 4.0, and the digitalization of the information thread that runs throughout the company have brought new and innovative solutions.

They fall into 8 distinct categories where every company is or will be competing within:

- | | |
|--------------------------------------|------------------------------------|
| 1. Data-driven Plant Performance | 5. Human data interface |
| 2. Data-driven Inventory Performance | 6. Predictive Maintenance |
| 3. Data-driven Quality Improvement | 7. Remote Servicing |
| 4. Machines as a Service | 8. Virtual Training and Validation |

Many of our competitors say that they offer solutions, so maybe EXOR can also tell what you should do? Maybe EXOR should give you the solution that would work in your industry, in your company, in your unique place in the world?

Yet it seems to us that to answer yes to these questions would be to diminish the importance of the challenges that you face. Because your company is unique. You have multiple years of experience in your sector and **only you can provide the solution to your problem**. Only you and your team can truly envisage how to make money today and tomorrow.

What EXOR International can offer you is the ability to securely acquire data from almost any approval critical location across multiple vendor and protocols, powerfully work with this data in real time at the edge and then send this data to a robust cloud to visualize, manipulate and analyse.

With Our Technology, we are able to help you implement Your Industry 4.0 Solution to Your Business Objective.

That's why EXOR International is a technology provider.

Welcome to the X Platform



The all-in-one platform for industrial automation

HARDWARE



EXOR

SOFTWARE



JMobile

IoT PLATFORM



CO.VINA

Our Tech Company Philosophy

At the heart of our philosophy is a dedication to creating value for our customers while shaping a future built on trust, adaptability, and innovation.

Independence

We are proudly open by design, offering complete independence from specific hardware and software solutions. This ensures freedom and flexibility for our partners and customers.

Sustainability

Our commitment to sustainability drives us to create solutions that are energy-efficient, durable, and aligned with the goals of a greener future.

Scalability

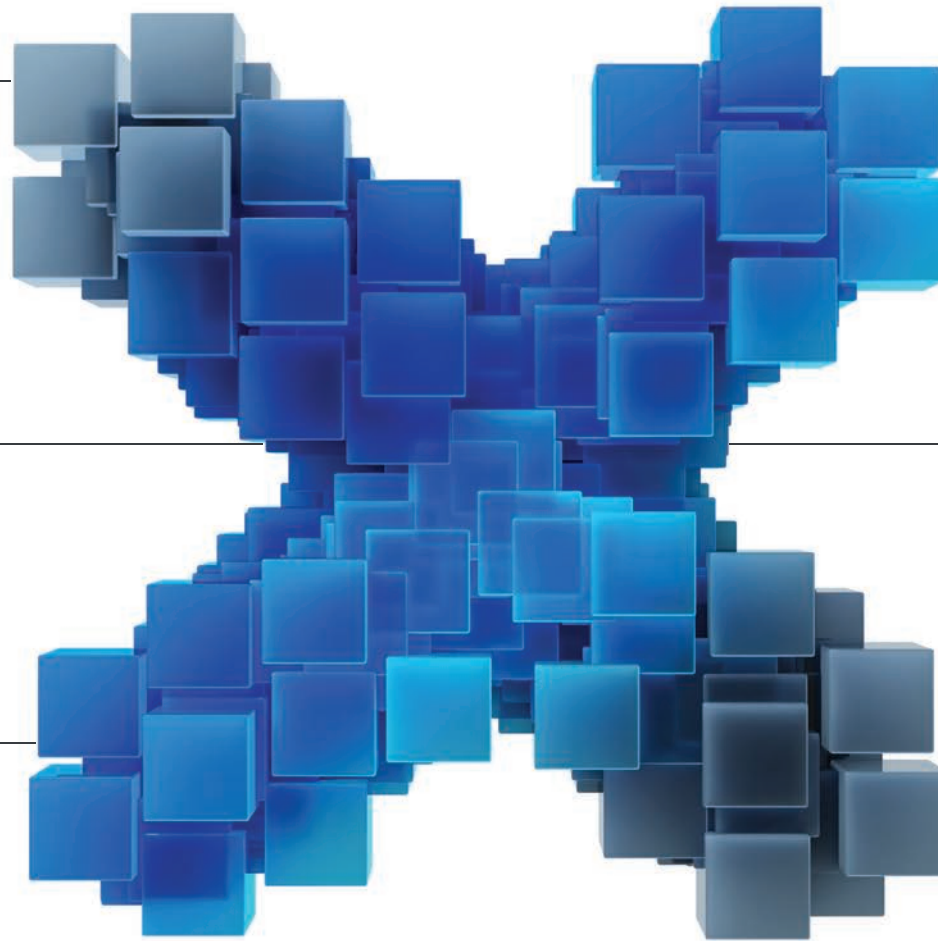
Our solutions are designed with scalability at their core, ensuring they grow and evolve alongside our customers business.

Customization

Every business is unique. We deliver highly customizable solutions to meet diverse needs, ensuring that every product fits seamlessly into its intended environment.

Solutions vs Products

Our core focus is on delivering innovative solutions and high-quality products that empower businesses to operate efficiently and achieve their goals.





SOFTWARE

JMobile®

Design. Program. Control.

JMobile Suite

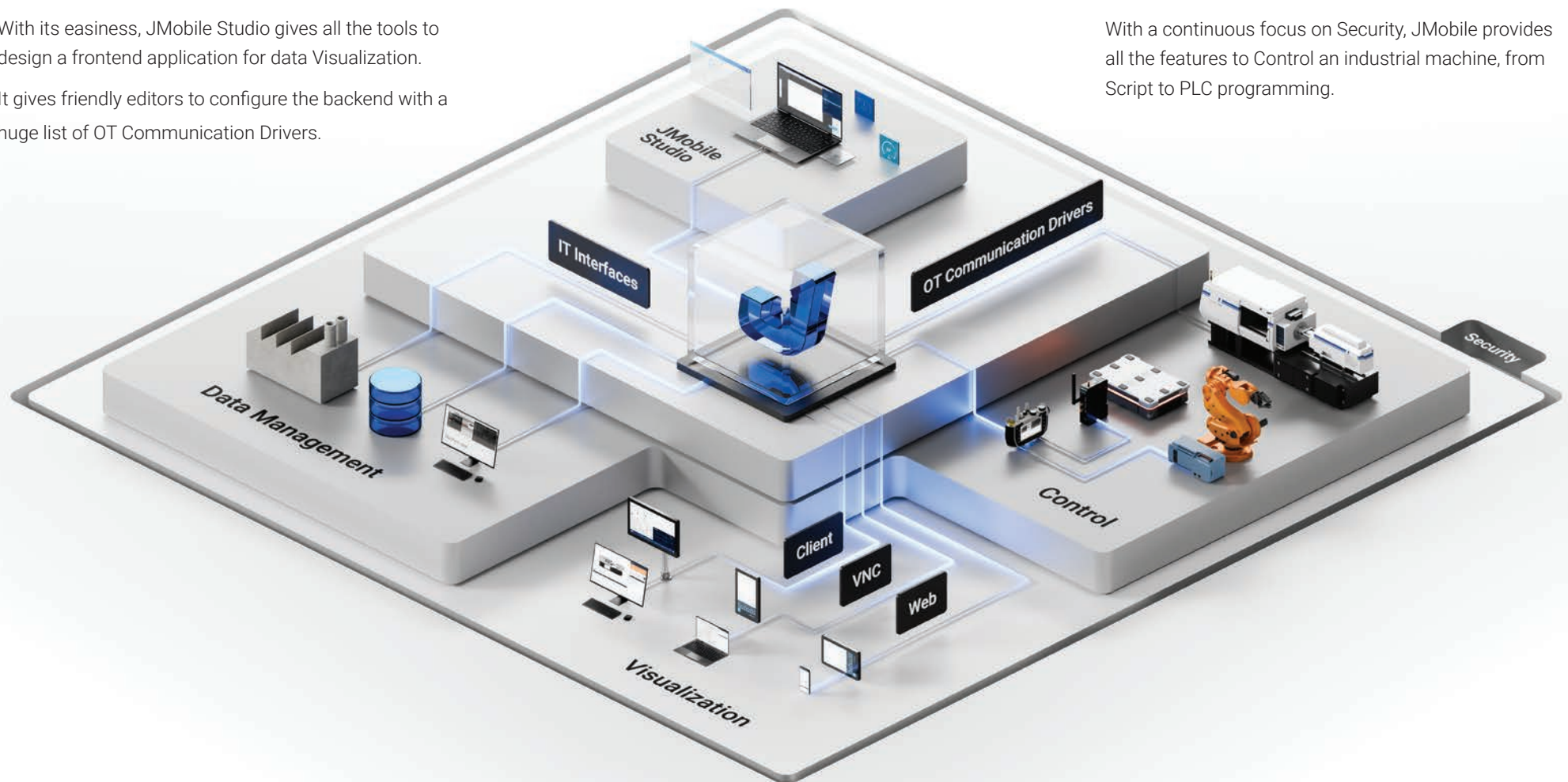
JMobile is a framework which allows to create applications for Edge devices, HMIs, IOT gateways.

With its easiness, JMobile Studio gives all the tools to design a frontend application for data Visualization.

It gives friendly editors to configure the backend with a huge list of OT Communication Drivers.

JMobile Runtime provides also IT Interfaces to integrate with standard data technologies.

With a continuous focus on Security, JMobile provides all the features to Control an industrial machine, from Script to PLC programming.



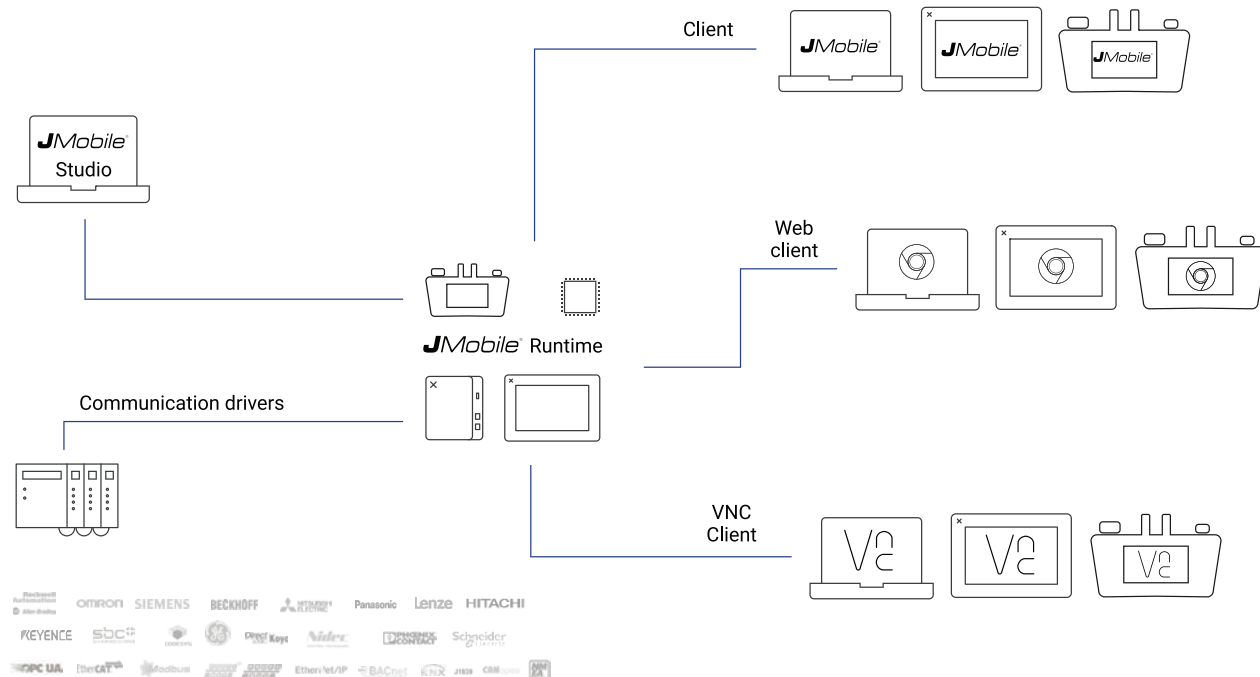
Core Principles Behind JMobile Development

The **principles that have guided and will guide** the development of JMobile are: 1. **Remain open** to the major fieldbus / protocols of communication | 2. **Use open and universally recognized** market technological standards such as HTML5, SVG, XML | 3. Integrate selected market-leading 3rd party software with a seamless UI and extremely secure

These three principles working together offer EXOR International and our customers the best of all situations where the secure, solid JMobile backbone of highly critical software is able to contain and implement all the software required for Industrial IoT implementation.

Client/Server

JMobile has a Client/Server architecture, which allows a parallel access to pages. Together with User Management, this architecture allows to define a customized view and access profile of the HMI project, from any device type.



Visualization

JMobile gives all the tools to create user-friendly, modern and scalable HMI pages. Formulas and transformations bring easy ways to get cleaned information from row data. Completely customizable, vector SVG graphic supports a fast and resizable view, which matches the web HTML capabilities.

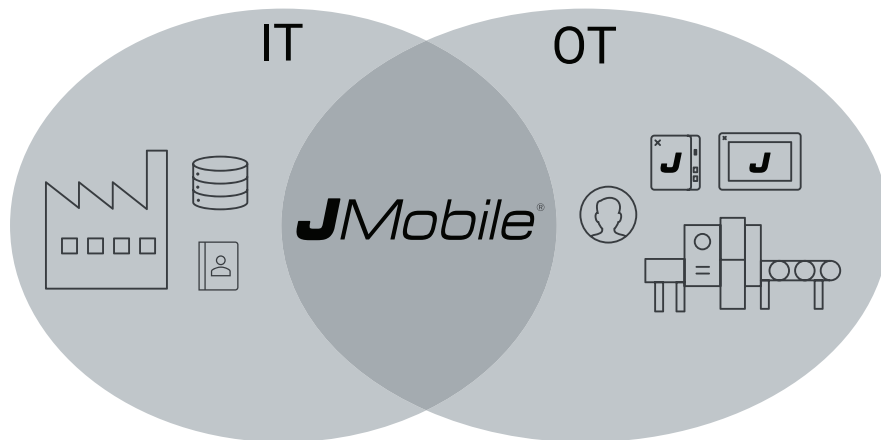


Industrial protocols

JMobile provides a huge list of OT industrial protocols. With its multi-protocol support, a single application can communicate with up to 8 different drivers and act as a protocol converter. A friendly symbol importer is included for any common industrial protocol, for a smooth programming, keeping interoperability between HMI and PLCs.

IT-OT connector

JMobile integrates seamlessly with IT technologies such as SQL databases, LDAP and Cloud via MQTT, as well as industrial protocols and data management. It is fully compatible with OPC UA standards.



Dual Functionality

JMobile is the perfect tool both for maximizing the end result with a quick learning curve using standard widgets and functions, and for a deeply customized experience by allowing scripting and custom widgets, with object-oriented programming.



Simple, Quick, Easy



**Customizable,
scriptable, configurable**

Machine operations

JMobile provides features to operate an industrial machine. Recipe management for set up parameters. Alarms visualization and acknowledging, trends and data loggers, to log and share operation data, over a user management with audit trails.



Windows Runtime

JMobile Runtime can run Industrial PCs based on Windows. All JMobile features are available with the ability to utilize the computing power, flexibility, and expandability of a PC. Value, functionality, and price make JMobile PC Runtime ideal for replacing generic SCADA with a cost-effective solution.

OPC UA Compliance



OPC UA (Open Platform Communications Unified Architecture) is a secure, platform-independent, and scalable industrial communication protocol. JMobile supports it in client and server version. This feature, in combination with multi-protocol support, permits to provide OPC UA connectivity to all industrial devices, facilitating digitalization and revamping processes.

MQTT



MQTT (MQ Telemetry Transport) is the publish/subscribe protocol designed for constrained devices and low-bandwidth, high-latency networks. JMobile allows to publish and subscribe tags coming from industrial protocol, over an MQTT generic interface, with an option to use MQTT Sparkplug B, which standardizes the protocol for industrial IoT, enabling efficient, state-aware communication.

JM4web

As the market moves toward increasingly complex web applications, JMobile is ready. JMobile's client-server architecture is already compatible with current HTML5 web technologies and uses a QT engine and Scalable Vector Graphics, JM4Web. This allows users to have advanced control and remote supervision from any browser and any device (smartphone, tablet or computer).



XPLC | Machine Control Ecosystem

A powerful, flexible and easy-to-use soft-PLC, designed for the future of automation.

What is XPLC?

XPLC is a modern soft-PLC that merges the robustness of IEC 61131-3 standards with the performance and openness required by today's industrial applications. It enables OEMs and machine builders to create scalable control architectures – from compact single-purpose machines to complex multi-axis and distributed systems – while reducing engineering effort and ensuring predictable costs.

Unlike conventional environments, XPLC is designed for efficiency across diverse hardware and operating systems, offering a clear path to long-term reliability and innovation.

Chosen by 50+ companies, it ranks among the leading IEC 61131-3 development environments and has been proven across multiple industries such as packaging & bottling, CNC machining, woodworking & steel processing, water purification networks...).



Technical Highlights

- **Standard:** IEC 61131-3 – all five languages
- **Motion:** PLCopen Motion Control part 1 libraries
- **Fieldbus:** EtherCAT Modbus, CANopen, Ethernet/IP, Profinet, Master with redundancy, CoE/EoE/FoE, DC sync
- Cycle time: as low as 125 µs
- **Libraries:** CAN, SysCom, SysMem, SysProcess, JSON/XML
- **Integration:** Native with Corvina Edge Manager, JMobile sync
- **User Interface:** Easy and productive IDE, with friendly drag&drop features and efficient live debug tools.

What are the key benefits of XPLC?

Flexibility and Performance

XPLC operates on x86 and ARM processors, on real-time Linux, Windows with INtime kernel, or even bare metal. This flexibility allows engineers to design once and deploy anywhere, without compromise. Its runtime achieves cycle times down to 125 µs, delivering the speed and determinism required for advanced motion control and time-critical processes.

Key strengths include:

- **High performance** runtime with EtherCAT multi-master and redundancy.
- **Scalability** from small embedded boards to powerful multicore controllers.
- **Efficient engineering** through a modern IDE, advanced debug tools, offline configurator and automatic device discovery.
- **Code reuse** with native C/C++ library integration and structured import/export. fully compliant to PLCopen standards
- **Transparent licensing** with a one-time permanent runtime cost, ensuring budget certainty.

Why Choose XPLC?

XPLC combines efficiency, openness and cost transparency in a single platform.

It reduces the complexity of engineering, ensures uncompromised real-time performance, and adapts to a wide variety of hardware environments. With guaranteed backward compatibility and continuous enhancement, XPLC provides OEMs with long-term security and the freedom to build smarter, more competitive machines.

- **Lower engineering efforts** thanks to a complete, fast environment that speeds up iteration and commissioning configurator and automatic device discovery.
- **Design freedom** with true portability across hardware/OS, so architectures can evolve without re-platforming the control logic.
- **Custom fit** through HTML-based UI extensions and structured, object-oriented IEC logic for clean, maintainable projects
- **Confidence at scale** backed by real-world adoption across industries and a platform built to keep pace with modern automation needs.

IoT PLATFORM

COFVINA®

CORVINA IoT Platform

We make industrial machines intelligent and digitise operations to enhance production efficiency.

In today's industrial landscape, connectivity, data management and streamlined updates are essential. CORVINA is engineered to meet these needs through a comprehensive platform for the connected industry.

Platform Highlights

- Open platform
- User-friendly
- Web-based
- Scalable
- White labelling support
- Granular access management
- Security by design
- Application marketplace



Industrial Remote VPN Access to Manage Your Machines

CORVINA Remote Access VPN, one of the flagship applications of the CORVINA platform, provides **high-speed remote connectivity** for HMIs, edge devices, and industrial machine components.

Thanks to its intelligent **multi-server architecture**, CORVINA automatically selects the nearest server to ensure an optimal connection and minimize latency—delivering superior performance and simplified management of remote edge devices.

The platform features an **intuitive web interface** that streamlines VPN setup and management. You can customize applications and define granular role-based access controls, ensuring that only authorized users can access specific resources.

IoT Data Collection & Analytics

IoT data collection in Corvina lies at the heart of digital transformation. By connecting products, plants, and systems, it enables simple, intuitive **collection, visualization, and analysis of IoT data**.

Data is sent from devices to the cloud, where it is stored and displayed via customizable web dashboards. Thanks to a **no-code drag-and-drop interface**, anyone can create and edit dashboards without programming skills.

The platform offers **advanced analytics and reporting** to monitor performance, predict failures, and improve efficiency, allowing companies to make data-driven decisions quickly and effectively.

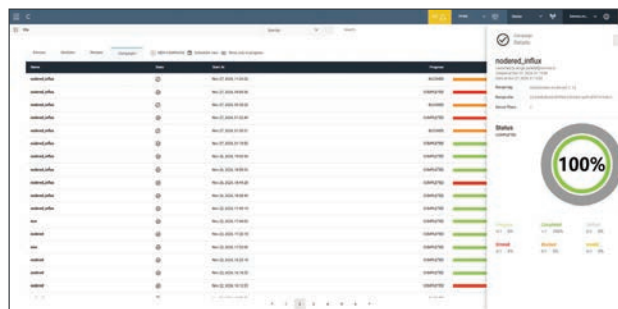
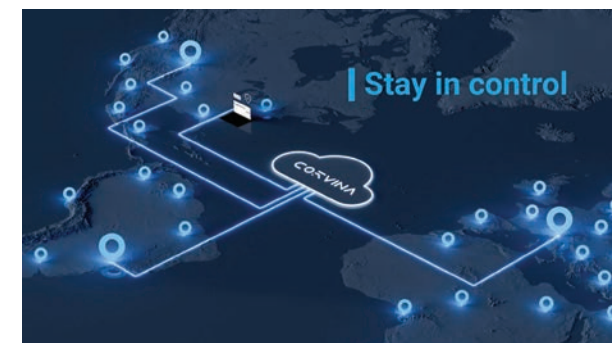
Edge Management

Edge management is a flagship service of our platform, designed to **manage on-machine devices throughout their entire lifecycle**. With a complete overview of your installed base, Corvina shows which components are on each device and which software versions are running.

Through a **simple, intuitive interface**, you can update connected machines selectively or at scale, saving time and resources—for example, updating the software of 100 machines with a single click.

Our Over-The-Air (OTA) solution streamlines and accelerates the delivery of new machines. Instead of installing software manually on each device, you can create a software “recipe” for a specific machine model and replicate it across all similar machines, **reducing installation times and labor costs**.

Beyond efficiency, **Corvina also enhances security** by delivering application and OS security updates. In a world where cybersecurity is increasingly critical, Corvina becomes an essential tool to protect your customers from potential threats.



MES for Factory Digitalization

Collect&Analyze (C&A) is the MES module of Corvina's Lean Digital Platform that turns production data into strategic information. With an intuitive interface and full integration with existing systems (ERP, PLC, IIoT), C&A helps you unlock the value of data by translating it into actionable insights to:

- **Monitor KPIs** and production progress in real time, fully integrated with your systems
- **Reduce losses** by optimizing processes and resources
- **Eliminate manual errors** with automated data collection and a paperless workflow
- **Support data-driven decisions** with customizable dashboards
- **Improve quality and efficiency** through continuous improvement (Lean)

With C&A you gain full control over production, reduce waste, and increase productivity tailored for Pharma & Medical, Electronics & Semiconductors, Chemical, Cosmetics, and Assembling sectors.

What is the Corvina Store?

The Corvina Store is a digital marketplace for Cloud Apps (with Edge Apps and Widgets coming soon).

It is designed to enable self-service access, deployment, and installation.

Key Features

- **Browse and purchase apps / new features**
- **Seamless transactions** with Corvina Credits
- **Fully integrated** with the Corvina Platform

Benefits

- **Simplifies procurement** for end-users
- **Centralized management and tracking**
- **Supports third-party** developers and vendors

How It Works



SELECT



PURCHASE



DEPLOY

The Corvina One-stop Marketplace

The Corvina Store is our one-stop marketplace for activating and managing industrial digital services.

Key Advantages:

- **Fast deployment**, no procurement friction
- **New recurring revenue** streams for machine builders
- **Full transparency and control** from one platform

ACCELERATED TIME-TO-VALUE



Applications

Overview of the CORVINA applications so far.



Stay on top of your data with this powerful cloud alarm application. Effortlessly create, manage, and monitor alarms, and receive instant notifications via Email, Telegram, Webhook, or Microsoft Teams to keep your team informed and responsive.



Empowers businesses to effortlessly manage edge device fleet, with remote provisioning, monitoring, and secure updates, including BSPs and applications at scale, ensuring efficiency, reliability, and enterprise-grade security.



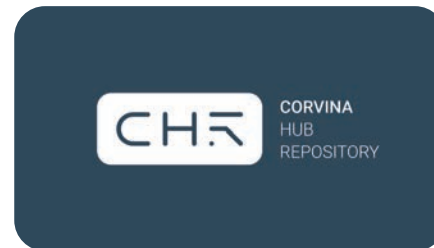
Extend edge device fleet management across your organization and to your customers, enabling seamless remote provisioning, monitoring, and secure updates at scale, with efficiency, reliability, and enterprise-grade security.



A complete set of widgets and tools designed to simplify energy management from real-time monitoring to detailed consumption analysis across periods and organizational structures.



Unlock the full potential of your production plant with this industrial machine modeling app by Factoryal, a company inside X Platform services. Seamlessly manage the XLayer platform and automatically deploy machine communication modules, accelerating connectivity, boosting efficiency, and simplifying plant operations.



Easily manage your repositories with a seamless way to store, share, and access artifacts. Upload and download items by name and version tag, ensuring fast, reliable, and organized artifact management.



Effortlessly extract insights from your dashboards and keep your team in the loop with automated report generation and email notifications. Stay informed, act faster, and make data-driven decisions with ease.



Protect your industrial devices with a powerful, easy-to-use app that detects vulnerabilities, anticipates risks, and safeguards your data. Stay secure and up to date with the latest cybersecurity guidance, ensuring business continuity and peace of mind.

HARDWARE

EXOS

eX700M Series



INDUSTRIAL
HMI



RUGGED
HMI



IOT CONTROL
HMI



MARINE &
OFFSHORE



eX705M

eX707M

System Resources		
Display - Colors	5" TFT 16:9 LED - 64K	7" TFT - 16M
Resolution	800x480, WVGA	800x480
Brightness	300 Cd/m2 typ.	500 cd/m² typ.
Dimming	Yes	Yes
Touchscreen	Projected Capacitive, Multitouch	
CPU	64-bit RISC quad core - 1.6 GHz	
Operating System	Linux	Linux
Flash	4 GB (eMMC pSLC)	4 GB (eMMC pSLC)
RAM	2 GB	2 GB
FRAM	64 KB	64 KB
RTC, RTC Back-up, Buzzer	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)
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, software configurable) Max 2/3 serial ports using plug-in modules	
SD card	Yes	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)
Current Consumption	0.57A at 24 Vdc (max.)	0.7 A at 24 Vdc (max.)
Input Protection	Electronic	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 Temperature	-20°C to +70°C	-20°C to +70°C
Operating/Storage Humidity	5-85% RH, non condensing	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) - Type: 12, 4X	
Dimensions and Weights		
Faceplate LxH	147x107 mm (5.78x4.21")	187x147 mm (7.36x5.79")
Cutout AxB	136x96 mm (5.35x3.78")	176x136 mm (6.93x5.35")
Depth D+T	52+8 mm (2.40+0.31")	47+8 mm (1.85+0.31")
Weight	0.8 Kg	1.5 Kg
Approvals		
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	
ATEX	Zone 2/22: II 3 G Ex ec IIC T5...T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C	
IECEX	Zone 2/22: Ex ec IIC T5...T4 Gc, Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C	
UL	cULus: UL61010-1 / UL61010-2-201	
UL	cULus: Class 1 Div 2	
DNV	-	Yes
RCM	Yes	Yes
Part Number	+EX705MU5P1	+EX707MU5P1



	eX710M	eX712M	eX715MH	eX721M
System Resources				
Display - Colors	10.1" TFT - 16M	12.3" TFT - 16M	15.6" TFT - 16M	21,5" TFT - 16M
Resolution	1280x800	1920x720	1920x1080, Full HD	1920x1080
Brightness	500 cd/m² typ.	600 cd/m² typ.	350 Cd/m² typ.	300 cd/m² typ.
Dimming	Yes	Yes	Yes	Yes
Touchscreen	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch
CPU	64-bit RISC quad core - 1.6 GHz	64-bit RISC quad core - 1.6 GHz	64-bit RISC quad core - 1.6 GHz	64-bit RISC quad core - 1.6 GHz
Operating System	Linux	Linux	Linux	Linux
Flash	4 GB (eMMC pSLC)	4 GB (eMMC pSLC)	4 GB (eMMC pSLC)	4 GB (eMMC pSLC)
RAM	2 GB	2 GB	2 GB	2 GB
FRAM	64 KB	64 KB	64 KB	64 KB
RTC, RTC Back-up, Buzzer	Yes	Yes	Yes	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)	2 (Host V2.0, max. 500 mA)	2 (Host V2.0, max. 500 mA)	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	Yes	Yes	Yes
Expansion	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)
Current Consumption	1.0 A at 24 Vdc (max.)	1.1 A at 24 Vdc (max.)	1.1A Max. Class 2	1.7 A at 24 Vdc (max.)
Input Protection	Electronic	Electronic	Electronic	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable			
Environment Conditions				
Operating Temperature	-20° to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °C			
Storage Temperature	-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	IP66 (front), IP20 (rear) - Type: 12, 4X	IP66 (front), IP20 (rear) - Type: 12, 4X	IP66 (front), IP20 (rear) - Type: 12, 4X	IP66 (front), IP20 (rear) - Type: 12, 4X
Dimensions and Weights				
Faceplate LxH	282x197 mm (11.10x7.80")	344.5x163 mm (13.56x6.41")	422x267 mm (16.6x10.5")	552x347 mm (21.7x13.66")
Cutout AxB	271x186 mm (10.67x7.32")	332.5x152 mm (13.09x5.94")	411x256 mm (16.18x10")	541x336 mm (21.3x13.22")
Depth D+T	56+8 mm (2.20+0.31")	49+8.5 mm (1.92+0.33")	56+8 mm (2.20+0.31")	56+8 mm (2.20+0.31")
Weight	2.5 Kg	1.8 Kg	4.1 Kg	6.1 Kg
Approvals				
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)			
ATEX	Zone 2/22: II 3 G Ex ec IIC T5...T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C			
IECEX	Zone 2/22: Ex ec IIC T5...T4 Gc, Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C			
UL	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2	cULus: Class 1 Div 2	cULus: Class 1 Div 2	cULus: Class 1 Div 2
DNV	Yes	Yes	Planned	Yes
RCM	Yes	Yes	Yes	Yes
Part Number	+EX710MU5P1	+EX712MU5P1	+EX715MHU5P1	+EX721MU5P1

eX700 Series



INDUSTRIAL
HMI



RUGGED
HMI



IOT CONTROL
HMI



MARINE &
OFFSHORE



eX705

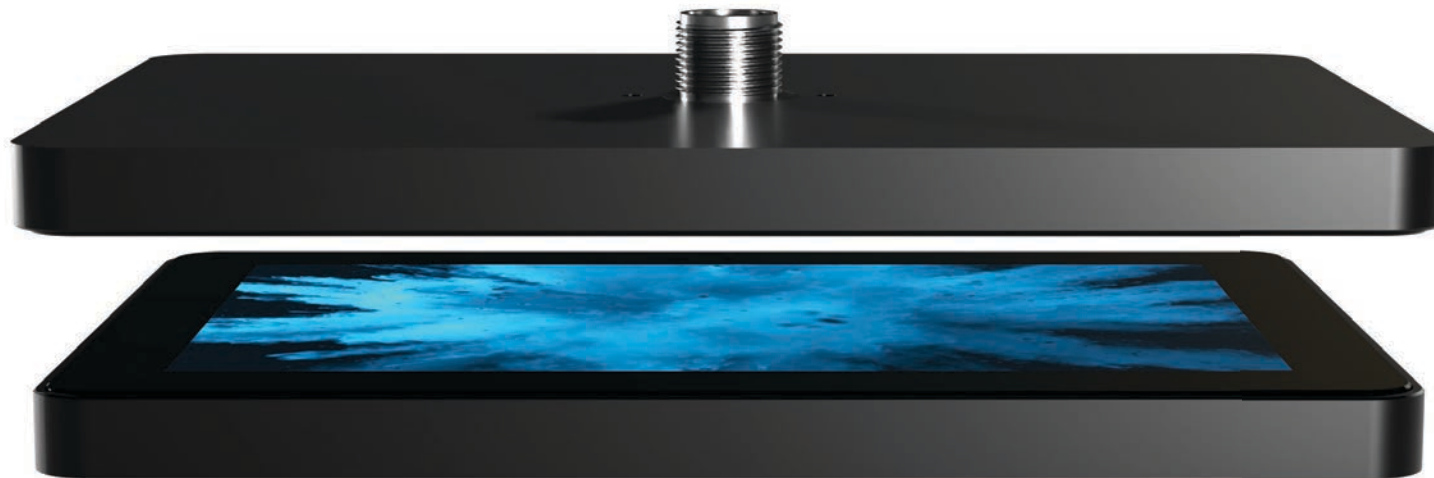
eX707

System Resources		
Display - Colors	5" TFT - 64K	7" TFT - 16M
Resolution	800x480, WVGA	800x480, WVGA
Brightness	300 Cd/m² typ.	500 Cd/m² typ.
Dimming	to 0%	to 0%
Touchscreen	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch
CPU	32-bit RISC single core - 1 GHz	32-bit RISC dual core - 800 MHz
Operating System	Linux RT	Linux RT
Flash	4 GB	4 GB
RAM	512 MB	1 GB
FRAM	64 KB	64 KB
RTC, RTC Back-up, Buzzer	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)
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, software configurable) Max 2/3 serial ports using plug-in modules	
SD card	Yes	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)
Current Consumption	0.6 A at 24 Vdc (max.)	0.7 A at 24 Vdc (max.)
Input Protection	Electronic	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 Temperature	-20°C to +70°C	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing	
Protection Class	IP66 (front), IP20 (rear) - Type: 12, 4X	IP66 (front), IP20 (rear) - Type: 12, 4X
Dimensions and Weights		
Faceplate LxH	147x107 mm (5.78x4.21")	187x147 mm (7.36x5.79")
Cutout AxB	136x96 mm (5.35x3.78")	176x136 mm (6.93x5.35")
Depth D+T	52+8 mm (2.40+0.31")	47+8 mm (1.85+0.31")
Weight	1.3 Kg	1.5 Kg
Approvals		
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	
ATEX	Zone 2/22: II 3 G Ex ec IIC T5...T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C	
IECEX	Zone 2/22: Ex ec IIC T5...T4 Gc, Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C	
UL	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2	cULus: Class 1 Div 2
DNV	Yes	Yes
LR, EU RO MR	Yes	Yes
RCM	Yes	Yes
Part Number	+EX705U5P1	+EX707U5P1



	eX710	eX712	eX715H	eX721
System Resources				
Display - Colors	10.1" TFT - 16M	12,3" TFT - 16M	15,6" TFT - 16M	21,5" TFT - 16M
Resolution	1280x800, WXGA	1920x720, HD	1920x1080, Full HD	1920x1080, full HD
Brightness	500 Cd/m² typ.	600 Cd/m² typ.	350 Cd/m² typ.	300 Cd/m² typ.
Dimming	to 0%	to 0%	to 0%	to 0%
Touchscreen	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch
CPU	32-bit RISC dual core - 800MHz	32-bit RISC quad core - 800MHz	32-bit RISC quad core - 800MHz	32-bit RISC quad core - 800MHz
Operating System	Linux RT	Linux RT	Linux RT	Linux RT
Flash	4 GB	8 GB	8 GB	8 GB
RAM	1 GB	2 GB	2 GB	2 GB
FRAM	64 KB	64 KB	64 KB	64 KB
RTC, RTC Back-up, Buzzer	Yes	Yes	Yes	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)	2 (Host V2.0, max. 500 mA)	2 (Host V2.0, max. 500 mA)	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	Yes	Yes	Yes
Expansion	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)
Current Consumption	1.0 A at 24 Vdc (max.)	1.1 A at 24 Vdc (max.)	1.1A Max. Class 2	1.7 A at 24 Vdc (max.)
Input Protection	Electronic	Electronic	Electronic	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 Temperature	-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	IP66 (front), IP20 (rear) - Type: 12, 4X	IP66 (front), IP20 (rear) - Type: 12, 4X	IP66 (front), IP20 (rear) - Type: 12, 4X	IP66 (front), IP20 (rear) - Type: 12, 4X
Dimensions and Weights				
Faceplate LxH	282x197 mm (11.10x7.80")	344.5x163 mm (13.56x6.41")	422x267 mm (16.6x10.5")	552x347 mm (21.7x13.66")
Cutout AxB	271x186 mm (10.67x7.32")	332.5x152 mm (13.09x5.94")	411x256 mm (16.18x10")	541x336 mm (21.3x13.22")
Depth D+T	56+8 mm (2.20+0.31")	49+8.5 mm (1.92+0.33")	56+8 mm (2.20+0.31")	56+8 mm (2.20+0.31")
Weight	2.5 Kg	1.8 Kg	4.1 Kg	6.1 Kg
Approvals				
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)			
ATEX	Zone 2/22: II 3 G Ex ec IIC T5...T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C			
IECEX	Zone 2/22: Ex ec IIC T5...T4 Gc, Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C			
UL	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2	cULus: Class 1 Div 2	cULus: Class 1 Div 2	cULus: Class 1 Div 2
DNV	Yes	Yes	Planned	Yes
LR	Yes	Yes	-	Yes
EU RO MR	Yes	-	-	Yes
RCM	Yes	Yes	Yes	Yes
Part Number	+EX710U5P1	+EX712U5P1	+EX715HU5P1	+EX721U5P1

JSmart700M Series



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	JSmart707M	JSmart710M	JSmart715MH	JSmart721M
System Resources				
Display - Colors	7" TFT - 16M	10.1" TFT - 16M	15.6" TFT - 16M	21.5" TFT - 16M
Resolution	1024x600	1280x800	1920x1080, Full HD	1920x1080
Brightness	400 cd/m ² typ.	400 cd/m ² typ.	350 Cd/m ² typ.	400 cd/m ² typ.
Dimming	Yes	Yes	Yes	Yes
Touchscreen	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch
CPU	64-bit RISC Quad core - 1.6 GHz	64-bit RISC Quad core - 1.6 GHz	64-bit RISC Quad core - 1.6 GHz	64-bit RISC Quad core - 1.6 GHz
Operating System	Linux	Linux	Linux	Linux
Flash	8 GB	8 GB	8 GB	8 GB
RAM	2 GB	2 GB	2 GB	2 GB
FRAM	64 KB	64 KB	64 KB	64 KB
RT-Clock, RTC Back-up	Yes	Yes	Yes	Yes
Interface				
Ethernet port	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)	1 (Host V2.0, max. 500 mA, available with special cable)	1 (Host V2.0, max. 500 mA, available with special cable)	1 (Host V2.0, max. 500 mA, available with special cable)
LED	1 RGB	1 RGB	1 RGB	1 RGB
Sensors	Temperature, 3-Axis Accelerometer	Temperature, 3-Axis Accelerometer	Temperature, 3-Axis Accelerometer	Temperature, 3-Axis Accelerometer
Buzzer	Yes	Yes	Yes	Yes
NFC	ISO/IEC 14443A	ISO/IEC 14443A	ISO/IEC 14443A	ISO/IEC 14443A
Wi-Fi	IEEE 802.11a/b/g	IEEE 802.11a/b/g	IEEE 802.11a/b/g	IEEE 802.11a/b/g
Ratings				
Power supply	IEEE 802.3af PoE	IEEE 802.3af PoE	IEEE 802.3at PoE+	IEEE 802.3bt 4PPoE
Power Consumption	12W max.	14W max.	IEEE 802.3at PoE+ 18W	35W max.
Battery	Rechargeable Lithium battery, not user-replaceable	Rechargeable Lithium battery, not user-replaceable	Rechargeable Lithium battery, not user-replaceable	Rechargeable Lithium battery, not user-replaceable
Environment Conditions				
Operating Temperature	-20° to +55° C (vertical installation)	-20° to +55° C (vertical installation)	-20° to +55° C (vertical installation)	-20° to +55° C (vertical installation)
Storage Temperature	-30°C to +80°C	-30°C to +80°C	-30°C to +80°C	-30°C to +80°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	IP67 (requires appropriate accessories and cables) - Type: 1, 12, 4x	IP67 (requires appropriate accessories and cables) - Type: 1, 12, 4x	IP67 (requires appropriate accessories and cables) - Type: 1, 12, 4x	IP67 (requires appropriate accessories and cables) - Type: 1, 12, 4x
Dimensions and Weights				
Faceplate LxH	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	16.5 mm (0.6")	16.5 mm (0.6")	26.5 mm (1.04")	26.5 mm (1.04")
Weight	0.7 Kg	1.2 Kg	4.0 Kg	6.0 Kg
Approvals				
CE	Radio Equipment Directive 2014/53/EU (RED)	Radio Equipment Directive 2014/53/EU (RED)	Radio Equipment Directive 2014/53/EU (RED)	Radio Equipment Directive 2014/53/EU (RED)
UL	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201*	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2	cULus: Class 1 Div 2	cULus: Class 1 Div 2*	cULus: Class 1 Div 2
RCM	Yes	Yes	Yes	Yes
Part Number	+JS707GB2U5P1	+JS710GC2U5P1	+JS715GE2U5P1	+JS721GE2U5P1



JSmart700 Series



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JSmart705

System Resources	
Display - Colors	5" TFT – 16M
Resolution	800x480
Brightness	300 cd/m ² typ.
Dimming	to 0%
Touchscreen	Projected Capacitive – Multitouch
CPU	32-bit RISC dual core - 800 MHz
Operating system	Linux RT
Flash	4 GB
RAM	1 GB
FRAM	64 KB
RT-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	No
Buzzer	Yes
Ratings	
Power supply	IEEE 802.3af PoE
Power Consumption	6 W max.
Battery	Yes (rechargeable)
Environment Conditions	
Operating Temperature	-20° to +55° C (vertical installation)
Storage Temperature	-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	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
DNV	Yes
RCM	Yes
Part Number	+JS705BA0U5P1



	JSmart707	JSmart710	JSmart715H	JSmart721
System Resources				
Display - Colors	7" TFT – 16M	10.1" TFT – 16M	15.6" TFT – 16M	21.5" TFT – 16M
Resolution	1024x600	1280x800	1920x1080, Full HD	1920x1080
Brightness	400 cd/m ² typ.	400 cd/m ² typ.	350 Cd/m ² typ.	400 cd/m ² typ.
Dimming	to 0%	to 0%	to 0%	to 0%
Touchscreen	Projected Capacitive – Multitouch	Projected Capacitive – Multitouch	Projected Capacitive – Multitouch	Projected Capacitive – Multitouch
CPU	32-bit RISC dual core - 800 MHz	32-bit RISC dual core - 800 MHz	32-bit RISC quad core - 800 MHz	32-bit RISC quad core - 800 MHz
Operating system	Linux RT	Linux RT	Linux RT	Linux RT
Flash	4 GB	4 GB	8 GB	8 GB
RAM	1 GB	1 GB	2 GB	2 GB
FRAM	64 KB	64 KB	64 KB	64 KB
RT-Clock, RTC Back-up	Yes	Yes	Yes	Yes
Interface				
Ethernet port	10/100 PoE	10/100 PoE	10/100 PoE	10/100 PoE
USB port	1 (Host V2.0, max. 50 mA, available with special cable)	1 (Host V2.0, max. 50 mA, available with special cable)	1 (Host V2.0, max. 50 mA, available with special cable)	1 (Host V2.0, max. 50 mA, available with special cable)
LED	1 RGB	1 RGB	1 RGB	1 RGB
Sensors	Temperature, 3-Axis Accelerometer	Temperature, 3-Axis Accelerometer	Temperature, 3-Axis Accelerometer	Temperature, 3-Axis Accelerometer
Wi-Fi	IEEE 802.11a/b/g	IEEE 802.11a/b/g	IEEE 802.11a/b/g	IEEE 802.11a/b/g
Buzzer	Yes	Yes	Yes	Yes
Ratings				
Power supply	IEEE 802.3af PoE	IEEE 802.3af PoE	IEEE 802.3at PoE+	IEEE 802.3bt 4PPoE
Power Consumption	12 W max.	14 W max.	IEEE 802.3at PoE+ 18W	35 W max.
Battery	Yes (rechargeable)	Yes (rechargeable)	Yes (rechargeable)	Yes (rechargeable)
Environment Conditions				
Operating Temperature	-20° to +55° C (vertical installation)	-20° to +55° C (vertical installation)	-20° to +55° C (vertical installation)	-20° to +55° C (vertical installation)
Storage Temperature	-30°C to +80°C	-30°C to +80°C	-30°C to +80°C	-30°C to +80°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	IP67 (requires appropriate accessories and cables) - Type: 1, 12, 4x	IP67 (requires appropriate accessories and cables) - Type: 1, 12, 4x	IP67 (requires appropriate accessories and cables) - Type: 1, 12, 4x	IP67 (requires appropriate accessories and cables) - Type: 1, 12, 4x
Dimensions and Weights				
Faceplate LxH	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")	26.5 mm (1.04")	26.5 mm (1.04")
Weight	0.7 Kg	1.2 Kg	4.0 Kg	6.0 Kg
Approvals				
CE	Radio Equipment Directive 2014/53/EU (RED)	Radio Equipment Directive 2014/53/EU (RED)	Radio Equipment Directive 2014/53/EU (RED)	Radio Equipment Directive 2014/53/EU (RED)
UL	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201*	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2	cULus: Class 1 Div 2	cULus: Class 1 Div 2*	cULus: Class 1 Div 2
DNV	Yes	Yes	-	Yes
RCM	Yes	Yes	Yes	Yes
Part Number	+JS707BB1U5P1	+JS710BC1U5P1	+JS715CE1U5P1	+JS721CE1U5P1

*Planned

eX200 Series



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	eX205	eX207	eX210	eX215
System Resources				
Display - Colors	5" - 16.7M	7" - 16.7M	10.1" - 16.7M	15.6" - 16.7M
Resolution	800x480	1024x600	1280x800	1920x1080
Brightness	400 Cd/m2 typ.	400 Cd/m2 typ.	400 Cd/m2 typ.	350 Cd/m2 typ.
Dimming	Yes	Yes	Yes	Yes
Touchscreen	Projected Capacitive - Multitouch	Projected Capacitive - Multitouch	Projected Capacitive - Multitouch	Projected Capacitive - Multitouch
CPU	64-bit RISC quad core - 1.6GHz	64-bit RISC quad core - 1.6GHz	64-bit RISC quad core - 1.6GHz	64-bit RISC quad core - 1.6GHz
Operating System	Linux	Linux	Linux	Linux
Flash	4 GB (pSLC mode - High reliability)	4 GB (pSLC mode - High reliability)	4 GB (pSLC mode - High reliability)	4 GB (pSLC mode - High reliability)
RAM	2 GB	2 GB	2 GB	2 GB
FRAM	64 KB	64 KB	64 KB	64 KB
Real Time Clock	Yes	Yes	Yes	Yes
RTC Back-up	Supercapacitor	Supercapacitor	Supercapacitor	Supercapacitor
Interface				
Ethernet port	2 (10/100 Mbit)	2 (10/100 Mbit)	2 (10/100 Mbit)	2 (10/100 Mbit)
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)
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)
CAN port	1 (Isolated)	1 (Isolated)	1 (Isolated)	1 (Isolated)
Buzzer	Yes	Yes	Yes	Yes
Indicator Light	1 (RGB LED)	1 (RGB LED)	1 (RGB LED)	1 (RGB LED)
Ratings				
Power supply	24 Vdc (9 to 32 Vdc)	24 Vdc (9 to 32 Vdc)	24 Vdc (9 to 32 Vdc)	24 Vdc (9 to 32 Vdc)
Current Consumption	0.90A Max., Class 2	0.90A Max., Class 2	1.1A Max., Class 2	2.0A Max., Class 2
Input Protection	Electronic	Electronic	Electronic	Electronic
Environment Conditions				
Operating Temperature	-20°C to +55°C (vertical installation)	-20°C to +55°C (vertical installation)	-20°C to +55°C (vertical installation)	-20°C to +55°C (vertical installation)
Storage Temperature	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°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	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)
Dimensions and Weights				
Faceplate LxH	147x107 mm (5.79x4.21")	187x147 mm (7.36x5.79")	282x197 mm (11.10x7.76")	422x267 mm (16.61"x10.51")
Cutout AxB	136x96 (5.35"x3.78")	176x136 mm (6.93x5.35")	271x186 mm (10.67x7.32")	411x256 mm (16.18"x10.08")
Depth D+T	29+8 mm (1.14+0.31")	29+8 mm (1.14+0.31")	29+8 mm (1.14+0.31")	35+10 mm (1.38"+0.39") mm
Weight	0.5 Kg	0.7 Kg	1.3 Kg	3.2 Kg
Approvals				
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
UL	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201
RCM	Yes	Yes	Yes	Yes
Ordering Code	101006200U-0000-01	101006200U-0002-01	101006200U-0004-01	101006200U-0006-01

eSMART Series



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eSMART04M

System Resources	
Display - Colors	4.3" TFT 16:9 - 64K
Resolution	480x272
Brightness	200 Cd/m2 typ.
Dimming	Yes
Touchscreen	Resistive
CPU	32-bit RISC single core - 1 GHz
Operating System	Linux 3.12
Flash	4 GB
RAM	512 MB
RTC, 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	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
ATEX	Zone 2: II 3 G Ex ic ec IIC T6 Gc
UL	cULus: UL508
UL	cULus: Class 1 Div 2
DNV	Yes
EU RO MR	Yes
RCM	Yes
Part Number	+ESMA04MU301



	eSMART07M	eSMART107	eSMART107B	eSMART10
System Resources				
Display - Colors	7" TFT 16:9 - 64K	7" TFT 16:9 - 64K	7" TFT 16:9 - 64K	10.1" TFT 16:9 - 64K
Resolution	800x480, WVGA	800x480, WVGA	800x480, WVGA	1024x600, WVGA
Brightness	200 Cd/m2 typ.	200 Cd/m2 typ.	200 Cd/m2 typ.	200 Cd/m2 typ.
Dimming	Yes	Yes	to 0%	Yes
Touchscreen	Resistive	Resistive	Resistive	Resistive
CPU	32-bit RISC single core - 1 GHz	32-bit RISC dual core - 800 MHz	32-bit RISC dual core - 800 MHz	32-bit RISC single core - 1 GHz
Operating System	Linux 3.12	Linux RT	Linux RT	Linux 3.12
Flash	4 GB	4 GB	4 GB	4 GB
RAM	512 MB	1 GB	1 GB	512 MB
RTC, RTC Back-up, Buzzer	Yes	Yes, Yes, No	Yes, Yes, No	Yes
Interface				
Ethernet port	1 (port 0 - 10/100)	2 (port 0 - 10/100/1000, port 1 - 10/100)	1 (port 0 - 10/100/1000)	1 (port 0 - 10/100)
USB port	1 (Host v. 2.0, max. 500 mA)	2 (Host V2.0, max. 100 mA)	1 (Host V2.0, max. 100 mA)	1 (Host v. 2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable)	2 (RS-232), 2 (RS-422/RS-485 isolated), 2 (CAN 2.0b isolated)	-	1 (RS-232, RS-485, RS-422, software configurable)
SD card	No	No	-	No
Expansion	No	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)
Current Consumption	0.3 A at 24 Vdc (max.)	0.3 A at 24 Vdc (max.)	0.3 A at 24 Vdc (max.)	0.38 A at 24 Vdc (max.)
Input Protection	Automatic	Automatic	Electronic	Automatic
Battery	Yes (Supercapacitor)	Rechargeable battery, not user-replaceable	Rechargeable battery, not user-replaceable	Yes (Supercapacitor)
Environment Conditions				
Operating Temp	0 to 50 °C (vertical installation)	0 to +50°C (vertical installation)	0 to +50°C (vertical installation)	0 to 50 °C (vertical installation)
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	IP66 (front), IP20 (rear) Type: 2, 4X	IP66 (front), IP20 (rear) Type: 2, 4X	IP66 (front); IP20 (rear) Type: 2, 4X	IP66 (front), IP20 (rear) Type: 2, 4X
Dimensions and Weights				
Faceplate LxH	187x147 mm (7.36x5.79")	187x147 mm (7.36x5.79")	187x147 mm (7.36x5.79")	282x197 mm (11.10x7.80")
Cutout AxB	176x136 mm (6.93x5.35")	176x136 mm (6.93x5.35")	176x136 mm (6.93x5.35")	271x186 mm (10.66x7.32")
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")
Weight	Approx 0.6 Kg	0.875 Kg	0.875 Kg	Approx 1.0 Kg
Approvals				
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
ATEX	Zone 2: II 3 G Ex ic ec IIC T6 Gc	-	-	Zone 2: II 3 G Ex ic ec IIC T6 Gc
UL	cULus: UL508	cULus: UL508	cULus: UL508	cULus: UL508
UL	cULus: Class 1 Div 2	-	-	cULus: Class 1 Div 2
DNV	Yes	Yes	-	Yes
EU RO MR	Yes	Yes	-	Yes
RCM	Yes	Yes	Yes	Yes
Part Number	+ESMA07MU301	+ESMA107U301	+ESMA107BU301	+ESMA10U301

eXware Series



INDUSTRIAL IOT
GATEWAY

eXware703

System Resources	
CPU	32-bit RISC single core - 1 GHz
Operating System	Linux RT
Flash	4 GB
RAM	512 MB
FRAM	64 KB
RT 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 Temperature	-20°C to +60°C - Plug-in modules and USB devices may limit max temperature to +50 °C.
Storage Temperature	-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	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
ATEX	Zone 2: II 3 G Ex ec IIC T5...T4 Gc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C
IECEX	Zone 2: Ex ec IIC T5...T4 Gc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
DNV	Yes
RCM	Yes
Part Number	+EXW703U0P1



eXware703M

eXware707

eXware707M

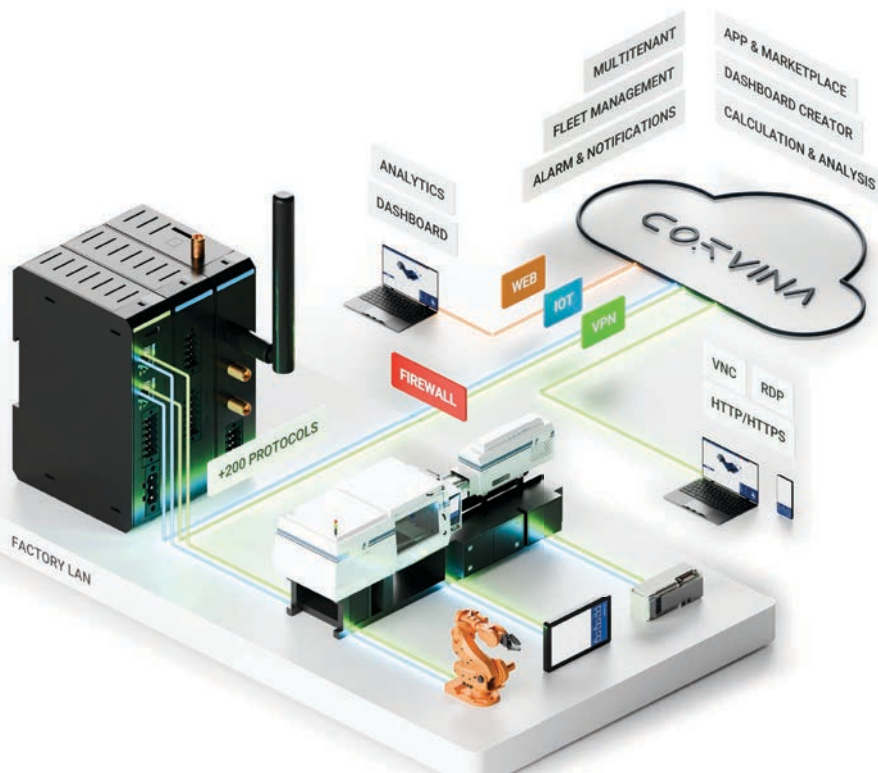
eXware707Q

System Resources				
CPU	64-bit RISC quad core - 1.6 GHz	32-bit RISC dual core - 800 MHz	64-bit RISC quad core - 1.6 GHz	32-bit RISC quad core - 800 MHz
Operating System	Linux RT	Linux RT	Linux RT	Linux RT
Flash	4 GB (eMMC pSLC)	4 GB	4 GB (eMMC pSLC)	8 GB
RAM	2 GB	1 GB	2 GB	2 GB
FRAM	64 KB	64 KB	64 KB	64 KB
RT 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)	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 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)	2 (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.	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.	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes	Yes	Yes	Yes
Expansion	1 slot for plug-in modules	2 slots 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 (10 to 32 Vdc)
Current Consumption	0.35 A max. at 24 Vdc	0.5 A max. at 24 Vdc	0.5 A max. at 24 Vdc	0.55 A max. at 24 Vdc
Input Protection	Electronic	Electronic	Electronic	Electronic
Battery	Yes	Yes	Yes	Yes
Environment Conditions				
Operating Temperature	-20°C to +60°C - Plug-in modules and USB devices may limit max temperature to +50 °C.	-20°C to +60°C - Plug-in modules and USB devices may limit max temperature to +50 °C.	-20°C to +60°C - Plug-in modules and USB devices may limit max temperature to +50 °C.	-20°C to +60°C - Plug-in modules and USB devices may limit max temperature to +50 °C.
Storage Temperature	-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	IP20
Dimensions and Weights				
Faceplate LxH	45x134 mm (1.77x5.27")	44 x 174 mm	44 x 174 mm	44 x 174 mm
Depth D	102 mm (4.01")	144 mm	144 mm	144 mm
Weight	0.6 Kg	0.7 Kg	0.7 Kg	0.7 Kg
Mounting	DIN Rail (TS35)	DIN Rail (TS35)	DIN Rail (TS35)	DIN Rail (TS35)
Approvals				
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
ATEX	Zone 2: II 3 G Ex ec IIC T5...T4 Gc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C	Zone 2: II 3 G Ex ec IIC T5...T4 Gc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C	Zone 2: II 3 G Ex ec IIC T5...T4 Gc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C	Zone 2: II 3 G Ex ec IIC T5...T4 Gc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C
IECEX	Zone 2: Ex ec IIC T5...T4 Gc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C	Zone 2: Ex ec IIC T5...T4 Gc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C	Zone 2: Ex ec IIC T5...T4 Gc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C	Zone 2: Ex ec IIC T5...T4 Gc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C
UL	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2	cULus: Class 1 Div 2	cULus: Class 1 Div 2	cULus: Class 1 Div 2
DNV	Yes	Yes	Yes	Yes
RCM	Yes	Yes	Yes	Yes
Part Number	+EXW703MU0P1	+EXW707U0P1	+EXW707MU0P1	+EXW707QU0P1

MicroEdge Series



INDUSTRIAL IOT
GATEWAY



	MicroEdge Basic	MicroEdge Plus
System Resources		
CPU	32-bit RISC Single Core - 528 MHz	64-bit RISC quad core - 1.6 GHz
Operating System	Linux Yocto	Linux Yocto
Flash	4 GB (pSLC mode - High reliability)	4 GB (pSLC mode - High reliability)
RAM	512 MB	2 GB
FRAM	64K B	64 KB
Real Time Clock	Yes	Yes
RTC Back-up	Supercapacitor	Supercapacitor
Interface		
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100)	2 (port 0 - 10/100, port 1 - 10/100)
USB port	1 (2.0 OTG, 500mA max., Type C)	1 (2.0 OTG, 500mA max., Type C)
Serial port	1 (RS-485, isolated)	1 (RS-485, isolated)
CAN/CAN-FD port	1 (isolated)	1 (isolated)
Expansion port	Yes	Yes
Buzzer	Yes	Yes
Indicator Light	1 (RGB LED)	1 (RGB LED)
Ratings		
Power supply	24 Vdc (9 to 32 Vdc)	24 Vdc (9 to 32 Vdc)
Current Consumption	0.23 A at 24 Vdc typ. without expansion modules, Class 2 1.56 A at 24 Vdc max. with expansion modules (full load), Class 2	0.28 A at 24 Vdc typ. without expansions modules, Class 2 1.56 A at 24 Vdc max. with expansion modules (full load), Class 2"
Input Protection	Electronic	Electronic Fuse
Environment Conditions		
Operating Temperature	-20°C to +60°C	-20°C to +55°C
Storage Temperature	-30°C to +70°C	-30°C to +70°C
Operating / Storage Humidity	5-90% RH, non-condensing	5-90% RH, non-condensing
Protection Class	IP20	IP20, not UL evaluated
Dimensions and Weight		
Height (H)	110 + 7 mm (4.33" + 0.28")	110 + 7 mm (4.33" + 0.28")
Width (W)	25.4 mm (1")	25.4 mm (1")
Depth (D)	75 mm (2.95")	75 mm (2.95")
Weight	0.140 Kg	0.180 Kg
Approvals		
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
FCC	FCC Part 15 Subpart B Class A	FCC Part 15 Subpart B Class A
IC	ICES-003 ISSUE 7 CLASS A	ICES-003 ISSUE 7 CLASS A
UL	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201
RCM	Yes	Yes



MicroEdge Plug-In LTE/4G Wi-Fi

MicroEdge Plug-In LTE/4G

MicroEdge Plug-in RS-485-CAN

Cellular Technology		
Frequency Bands	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B26/B28 LTE TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B8/B6/B19 GSM: B2/B3/B5/B8	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B26/B28 LTE TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B8/B6/B19 GSM: B2/B3/B5/B8
Transmission Data	LTE FDD: Max 150Mbps (DL)/Max 50Mbps (UL) LTE TDD: Max 130Mbps (DL)/Max 35Mbps (UL) UMTS: DC-HSDPA: Max 42Mbps (DL) UMTS: HSUPA: Max 5.76Mbps (UL) UMTS: WCDMA: Max 384Kbps (DL)/Max 384Kbps (UL) GSM: EDGE: Max 296Kbps (DL)/Max 236.8Kbps (UL) GSM: GPRS: Max 107Kbps (DL)/Max 85.6Kbps (UL)	LTE FDD: Max 150Mbps (DL)/Max 50Mbps (UL) LTE TDD: Max 130Mbps (DL)/Max 35Mbps (UL) UMTS: DC-HSDPA: Max 42Mbps (DL) UMTS: HSUPA: Max 5.76Mbps (UL) UMTS: WCDMA: Max 384Kbps (DL)/Max 384Kbps (UL) GSM: EDGE: Max 296Kbps (DL)/Max 236.8Kbps (UL) GSM: GPRS: Max 107Kbps (DL)/Max 85.6Kbps (UL)
Power output	Class 3 (23dBm±2dB) for LTE FDD Class 3 (23dBm±2dB) for LTE TDD Class 3 (24dBm+1/-3dB) for TD-SCDMA Class 3 (24dBm+1/-3dB) for WCDMA Class E2 (27dBm±3dB) for EDGE 850/900MHz Class E2 (26dBm+3/-4dB) for EDGE 1800/1900MHz Class 4 (33dBm±2dB) for GSM 850/900MHz Class 1 (30dBm±2dB) for GSM 1800/1900MHz	Class 3 (23dBm±2dB) for LTE FDD Class 3 (23dBm±2dB) for LTE TDD Class 3 (24dBm+1/-3dB) for TD-SCDMA Class 3 (24dBm+1/-3dB) for WCDMA Class E2 (27dBm±3dB) for EDGE 850/900MHz Class E2 (26dBm+3/-4dB) for EDGE 1800/1900MHz Class 4 (33dBm±2dB) for GSM 850/900MHz Class 1 (30dBm±2dB) for GSM 1800/1900MHz
Interface		
Antenna	50Ω, SMA and RP-SMA Female connectors	50Ω, RP-SMA Female connectors
Digital inputs	2 (24Vdc with optical isolation)	2 (24Vdc with optical isolation)
Digital outputs	2 (SSR with optical isolation)	2 (SSR with optical isolation)
LED	1 RGB, 2 green (net status)	1 RGB, 2 green (net status)
SIM slot	microSIM	microSIM
Wi-Fi	IEEE Dual Band 802.11a/b/g/n/ac	-
GNSS	GPS, GLONASS, BeiDou/Compass, Galileo, QZSS	GPS, GLONASS, BeiDou/Compass, Galileo, QZSS
Environment Conditions		
Operating Temperature	-20°C to +60°C	-20°C to +60°C
Storage Temperature	-30°C to +70°C	-30°C to +70°C
Operating / Storage Humidity	5 - 85% RH, non condensing	5 - 85% RH, non condensing
Protection Class	IP20	IP20
Dimensions and Weight		
WxHxD	110 + 7 + 8.8 mm (4.33" + 0.28" + 0.35")	110 + 7 mm (4.33" + 0.28")
Width (W)	25.4 mm + 5.6 mm (1" + 0.22")	25.4 mm + 5.6 mm (1" + 0.22")
Depth (D)	75 mm + 9.2 mm (2.95" + 0.36")	75 mm + 9.2 mm (2.95" + 0.36")
Weight	0.140 Kg	0.140 Kg
Approvals		
CE	Radio Equipment Directive 2014/53/EU (RED)	Radio Equipment Directive 2014/53/EU (RED)
FCC	FCC Part 15 Subpart B Class A / FCC Part 15 Subpart C Class A	FCC Part 15 Subpart B Class A / FCC Part 15 Subpart C Class A
IC	ICES-003 ISSUE 7 CLASS A / IC RSS-247 Issue 3 and RSS-Gen Issue 5	ICES-003 ISSUE 7 CLASS A / IC RSS-247 Issue 3 and RSS-Gen Issue 5
UL	UL61010-1 / UL61010-2-201	UL61010-1 / UL61010-2-201
RCM	Yes	Yes

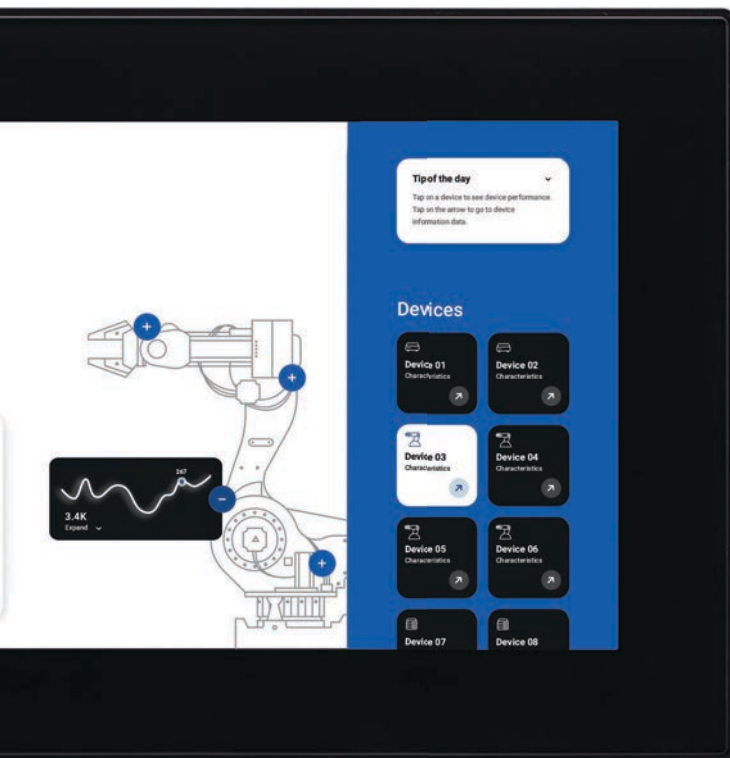
Interface	
Serial port	1 (RS-485, isolated)
CAN/CAN-FD port	1 (isolated)
Expansion port	Yes
LED	1 RGB
Protection Class	
Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to +70°C
Operating/Storage Humidity	5 - 85% RH, non condensing
Protection Class	IP20
Dimensions and Weight	
Height (H)	110 + 7 mm (4.33" + 0.28")
Width (W)	25.4 mm + 5.6 mm (1" + 0.22")
Depth (D)	75 mm (2.95")
Weight	0.140 Kg
Approvals	
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
FCC	FCC Part 15 Subpart B Class A
IC	ICES-003 ISSUE 7 CLASS A
UL	cULus: UL61010-1 / UL61010-2-201
RCM	Yes

Ordering Information

HW	SW	Part Number	Description
Micro-Edge Basic XME-00	VPN	Contact Your Local Sales	MicroEdge Basic VPN - Modular Edge Gateway + Corvina VPN LifeTime Activation Key
	JMX	102006700U-0000	MicroEdge Basic JMX - Modular Edge Gateway + JMobile Runtime License
	IOT	Contact Your Local Sales	MicroEdge Basic IOT - Modular Edge Gateway + JMobile Runtime License + Corvina VPN LifeTime Activation Key
Micro-Edge Plus XME-10	JMX	102006800U-0000	MicroEdge Plus JMX - Modular Edge Gateway + JMobile Runtime License
	IOT	Contact Your Local Sales	MicroEdge Plus IOT - Modular Edge Gateway + JMobile Runtime License + Corvina VPN LifeTime Activation Key

Plug-In Model	Part Number	Description
MicroEdge Plug-in RS-485-CAN	105006700U-0001	MicroEdge Plug-In RS485-CAN (XMP-000)
MicroEdge Plug-In LTE/4G Wi-Fi	105006700U-0000	MicroEdge Plug-In Wi-Fi LTE/4G (XMP-010)
MicroEdge Plug-In LTE/4G	105006700U-0003	MicroEdge Plug-In LTE (XMP-011)

eX700M Web Series



WEB BASED
HMI



INDUSTRIAL
HMI



RUGGED
HMI



eX705M Web		eX707M Web
System Resources		
Display - Colors	5" TFT 16:9 LED - 64K	7" TFT - 16M
Resolution	800x480, WVGA	800x480
Brightness	300 Cd/m² typ.	500 cd/m² typ.
Dimming	Yes	Yes
Touchscreen	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch
CPU	64-bit RISC quad core - 1.6 GHz	64-bit RISC quad core - 1.6 GHz
Operating System	Linux	Linux
Flash	4 GB (eMMC pSLC)	4 GB (eMMC pSLC)
RAM	2 GB	2 GB
RTC, RTC Back-up, Buzzer	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)
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, software configurable) Max 2/3 serial ports using plug-in modules	
SD card	Yes	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)
Current Consumption	0.57A at 24 Vdc (max.)	0.7 A at 24 Vdc (max.)
Input Protection	Electronic	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 Temperature	-20°C to +70°C	-20°C to +70°C
Operating/Storage Humidity	5-85% RH, non condensing	5-85% RH, non condensing
Protection Class	IP66 (front), IP20 (rear) - Type: 12, 4X	
Dimensions and Weights		
Faceplate LxH	147x107 mm (5.78x4.21")	187x147 mm (7.36x5.79")
Cutout AxB	136x96 mm (5.35x3.78")	176x136 mm (6.93x5.35")
Depth D+T	52+8 mm (2.40+0.31")	47+8 mm (1.85+0.31")
Weight	0.8 Kg	1.5 Kg
Approvals		
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	
ATEX	Zone 2/22: II 3 G Ex ec IIC T5...T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C	
IECEX	Zone 2/22: Ex ec IIC T5...T4 Gc, Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C	
UL	cULus: UL61010-1 / UL61010-2-201	
UL	cULus: Class 1 Div 2	
DNV	-	Yes
RCM	Yes	Yes
Part Number	+EX705MU5PW	+EX707MU5PW



eX710M Web		eX712M Web		eX715MH Web		eX721M Web		
System Resources								
Display - Colors	10.1" TFT - 16M		12.3" TFT - 16M		15.6" TFT - 16M		21,5" TFT - 16M	
Resolution	1280x800		1920x720		1920x1080, Full HD		1920x1080, full HD	
Brightness	500 cd/m² typ.		600 cd/m² typ.		350 Cd/m² typ.		300 cd/m² typ.	
Dimming	Yes		Yes		Yes		Yes	
Touchscreen	Projected Capacitive, Multitouch		Projected Capacitive, Multitouch		Projected Capacitive, Multitouch		Projected Capacitive, Multitouch	
CPU	64-bit RISC quad core - 1.6 GHz		64-bit RISC quad core - 1.6 GHz		64-bit RISC quad core - 1.6 GHz		64-bit RISC quad core - 1.6 GHz	
Operating System	Linux		Linux		Linux		Linux	
Flash	4 GB (eMMC pSLC)		4 GB (eMMC pSLC)		4 GB (eMMC pSLC)		4 GB (eMMC pSLC)	
RAM	2 GB		2 GB		2 GB		2 GB	
RTC, RTC Back-up, Buzzer	Yes		Yes		Yes		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)		2 (Host V2.0, max. 500 mA)		2 (Host V2.0, max. 500 mA)		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		Yes		Yes		Yes	
Expansion	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)	
Current Consumption	1.0 A at 24 Vdc (max.)		1.1 A at 24 Vdc (max.)		1.1A Max. Class 2		1.7 A at 24 Vdc (max.)	
Input Protection	Electronic		Electronic		Electronic		Electronic	
Battery	Rechargeable Lithium battery, not user-replaceable							
Environment Conditions								
Operating Temperature	-20° to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °C							
Storage Temperature	-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	IP66 (front), IP20 (rear) - Type: 12, 4X		IP66 (front), IP20 (rear) - Type: 12, 4X		IP66 (front), IP20 (rear) - Type: 12, 4X		IP66 (front), IP20 (rear) - Type: 12, 4X	
Dimensions and Weights								
Faceplate LxH	282x197 mm (11.10x7.80")		344.5x163 mm (13.56x6.41")		422x267 mm (16.6x10.5")		552x347 mm (21.7x13.66")	
Cutout AxB	271x186 mm (10.67x7.32")		332.5x152 mm (13.09x5.94")		411x256 mm (16.18x10")		541x336 mm (21.3x13.22")	
Depth D+T	56+8 mm (2.20+0.31")		49+8.5 mm (1.92+0.33")		56+8 mm (2.20+0.31")		56+8 mm (2.20+0.31")	
Weight	2.5 Kg		1.8 Kg		4.1 Kg		6.1 Kg	
Approvals								
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)							
ATEX	Zone 2/22: II 3 G Ex ec IIC T5...T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C							
IECEX	Zone 2/22: Ex ec IIC T5...T4 Gc, Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C							
UL	cULus: UL61010-1 / UL61010-2-201		cULus: UL61010-1 / UL61010-2-201		cULus: UL61010-1 / UL61010-2-201		cULus: UL61010-1 / UL61010-2-201	
UL	cULus: Class 1 Div 2		cULus: Class 1 Div 2		cULus: Class 1 Div 2		cULus: Class 1 Div 2	
DNV	Yes		Yes		Planned		Yes	
RCM	Yes		Yes		Yes		Yes	
Part Number	+EX710MU5PW		+EX712MU5PW		+EX715MHU5PW		+EX721MU5PW	

JSmart700M Web Series



WEB BASED
HMI



INDUSTRIAL
HMI



RUGGED
HMI



	JSmart707M Web	JSmart710M Web	JSmart715MH Web	JSmart721M Web
System Resources				
Display - Colors	7" TFT - 16M	10.1" TFT - 16M	15.6" TFT - 16M	21.5" TFT - 16M
Resolution	1024x600	1280x800	1920x1080, Full HD	1920x1080
Brightness	400 cd/m² typ.	400 cd/m² typ.	350 Cd/m² typ.	400 cd/m² typ.
Dimming	Yes	Yes	Yes	Yes
Touchscreen	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch
CPU	64-bit RISC Quad core - 1.6 GHz	64-bit RISC Quad core - 1.6 GHz	64-bit RISC Quad core - 1.6 GHz	64-bit RISC Quad core - 1.6 GHz
Operating System	Linux	Linux	Linux	Linux
Flash	8 GB	8 GB	8 GB	8 GB
RAM	2 GB	2 GB	2 GB	2 GB
Real Time Clock, RTC Back-up	Yes	Yes	Yes	Yes
Interface				
Ethernet port	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)	1 (Host V2.0, max. 500 mA, available with special cable)	1 (Host V2.0, max. 500 mA, available with special cable)	1 (Host V2.0, max. 500 mA, available with special cable)
LED	1 RGB	1 RGB	1 RGB	1 RGB
Sensors	Temperature, 3-Axis Accelerometer	Temperature, 3-Axis Accelerometer	Temperature, 3-Axis Accelerometer	Temperature, 3-Axis Accelerometer
Buzzer	Yes	Yes	Yes	Yes
NFC	ISO/IEC 14443A	ISO/IEC 14443A	ISO/IEC 14443A	ISO/IEC 14443A
Wi-Fi	IEEE 802.11a/b/g	IEEE 802.11a/b/g	IEEE 802.11a/b/g	IEEE 802.11a/b/g
Ratings				
Power supply	IEEE 802.3af PoE	IEEE 802.3af PoE	IEEE 802.3at PoE+	IEEE 802.3bt 4PPoE
Power Consumption	12W max.	14W max.	IEEE 802.3at PoE+ 18W	35W max.
Battery	Rechargeable Lithium battery, not user-replaceable	Rechargeable Lithium battery, not user-replaceable	Rechargeable Lithium battery, not user-replaceable	Rechargeable Lithium battery, not user-replaceable
Environment Conditions				
Operating Temperature	-20° to +55° C (vertical installation)	-20° to +55° C (vertical installation)	-20° to +55° C (vertical installation)	-20° to +55° C (vertical installation)
Storage Temperature	-30°C to +80°C	-30°C to +80°C	-30°C to +80°C	-30°C to +80°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	IP67 (requires appropriate accessories and cables) - Type: 1, 12, 4x	IP67 (requires appropriate accessories and cables) - Type: 1, 12, 4x	IP67 (requires appropriate accessories and cables) - Type: 1, 12, 4x	IP67 (requires appropriate accessories and cables) - Type: 1, 12, 4x
Dimensions and Weights				
Faceplate LxH	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	16.5 mm (0.6")	16.5 mm (0.6")	26.5 mm (1.04")	26.5 mm (1.04")
Weight	0.7 Kg	1.2 Kg	4.0 Kg	6.0 Kg
Approvals				
CE	Radio Equipment Directive 2014/53/EU (RED)	Radio Equipment Directive 2014/53/EU (RED)	Radio Equipment Directive 2014/53/EU (RED)	Radio Equipment Directive 2014/53/EU (RED)
UL	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201*	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2	cULus: Class 1 Div 2	cULus: Class 1 Div 2*	cULus: Class 1 Div 2
RCM	Yes	Yes	Yes	Yes
Part Number	+JS707GB2U5PW	+JS710GC2U5PW	+JS715GE2U5PW	+JS721GE2U5PW

*Planned

eX200 Web Series



WEB BASED
HMI



INDUSTRIAL
HMI



RUGGED
HMI



	eX205 Web	eX207 Web	eX210 Web	eX215 Web
System Resources				
Display - Colors	5" - 16.7 M	7" - 16.7M	10.1" - 16.7M	15.6" - 16.7M
Resolution	800x480	1024x600	1280x800	1920X1080
Brightness	400 Cd/m2 typ.	400 Cd/m2 typ.	400 Cd/m2 typ.	350 Cd/m2 typ.
Dimming	Yes	Yes	Yes	Yes
Touchscreen	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch
CPU	64-bit RISC quad core - 1.6GHz	64-bit RISC quad core - 1.6GHz	64-bit RISC quad core - 1.6 GHz	64-bit RISC quad core - 1.6GHz
Operating System	Linux	Linux	Linux	Linux
Flash	4 GB (pSLC mode - High reliability)	4 GB (pSLC mode - High reliability)	4 GB (pSLC mode - High reliability)	4 GB (pSLC mode - High reliability)
RAM	2 GB	2 GB	2 GB	2 GB
Real Time Clock	Yes	Yes	Yes	Yes
RTC Back-up	Supercapacitor	Supercapacitor	Supercapacitor	Supercapacitor
Interface				
Ethernet port	1 (10/100 Mbit)	1 (10/100 Mbit)	1 (10/100 Mbit)	1 (10/100 Mbit)
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)
Buzzer	Yes	Yes	Yes	Yes
Indicator Light	1 (RGB LED)	1 (RGB LED)	1 (RGB LED)	1 (RGB LED)
Ratings				
Power supply	24 Vdc (9 to 32 Vdc)	24 Vdc (9 to 32 Vdc)	24 Vdc (9 to 32 Vdc)	24 Vdc (9 to 32 Vdc)
Current Consumption	0.90A Max., Class 2	0.90A Max., Class 2	1.1A Max., Class 2	2.0A Max., Class 2
Input Protection	Electronic	Electronic	Electronic	Electronic
Environment Conditions				
Operating Temperature	-20°C to +55°C (vertical installation)	-20°C to +55°C (vertical installation)	-20°C to +55°C (vertical installation)	-20°C to +55°C (vertical installation)
Storage Temperature	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°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	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)	IP66 (front), IP20 (rear)
Dimensions and Weights				
Faceplate LxH	147x107 mm (5.79x4.21")	187x147 mm (7.36x5.79")	282x197 mm (11.10x7.76")	422x267 mm (16.61"x10.51")
Cutout AxB	136x96 (5.35"x3.78")	176x136 mm (6.93x5.35")	271x186 mm (10.67x7.32")	411x256 mm (16.18"x10.08")
Depth D+T	29+8 mm (1.14+0.31")	29+8 mm (1.14+0.31")	29+8 mm (1.14+0.31")	35+10 mm (1.38"+0.39") mm
Weight	0.5 Kg	0.7 Kg	1.3 Kg	3.2 Kg
Approvals				
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
UL	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201
RCM	Yes	Yes	Yes	Yes
Part Number	101006200U-0001	101006200U-0003	101006200U-0005	101006200U-0007

eXtreme Series



OUTDOOR
HMI



INDUSTRIAL
HMI



RUGGED
HMI



MARINE &
OFFSHORE



XA5

System Resources	
Display - Colors	5" TFT - 64K
Resolution	800x480
Brightness	500 cd/m² typ.
Dimming	Yes - down to 0%
Touchscreen	Projected Capacitive, Multitouch, Optical Bonding
CPU	32-bit RISC Dual Core - 650 MHz
Operating System	Linux RT
Flash	8 GB
RAM	1 GB
FRAM	64 KB
Real Time Clock, RTC Back-up	Yes, rechargeable battery
Interface	
Ethernet port	2 ports 10/100 Mbit/s
CAN port	2, FD, isolated, up to 1 Mbit/s
USB port	1 Host v. 2.0 500mA
Serial port	RS-485, isolated
Digital Output	1 SSR NO 60V 0.5A
Wi-Fi	IEEE 802.11a/b/g
Sensors	Temperature, 3-Axis Accelerometer, Environment Light
Buzzer	Yes
Expansion	1 slot for plug-in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Power consumption	1.4 A at 24 Vdc (max.)
Power management key	Yes
Environment Conditions	
Operating Temperature	-30°C to +70°C
Storage Temperature	-40°C to +85°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP66/IP67
Dimensions and Weights	
Faceplate LxH	158.6x115 mm (6.24"x4.53")
Cutout AxB	142.6x99 mm (5.61"x3.90")
Depth D+T	44+6.5 mm (1.73"+0.26")
Weight	0.6 Kg
Approvals	
CE	Radio Equipment Directive 2014/53/EU (RED)
UL	cULus: UL61010-1 / UL61010-2-201
DNV*	Yes
RCM	Yes
Part Number	+XA5U5P1

*In progress



	eX707G	eX710G	eX710MG	eX715MG	eX715MG Web
System Resources					
Display - Colors	7" TFT - 16M	10.1" TFT - 16M	10.1" TFT 16:9 LED - 16M	15,6 TFT - 16M	15,6 TFT LED - 16M
Resolution	800x480	1280x800	1280x800 WXGA	1920x1080, full HD	1920x1080, full HD
Brightness	600 cd/m² typ.	800 cd/m² typ.	500 cd/m² typ.	700 cd/m² typ.	700 cd/m2 typ.
Dimming	to 0%	to 0%	Yes	Yes	Yes
Touchscreen	Projected Capacitive, Multitouch, Optical Bonding				
CPU	32-bit RISC Dual core - 800 MHz	32-bit RISC Dual core - 800 MHz	64-bit RISC quad core - 1.6GHz	64-bit RISC Quad core - 1.6GHz	64-bit RISC Quad core - 1.6GHz
Operating System	Linux RT	Linux RT	Linux	Linux	Linux
Flash	4 GB	4 GB	4 GB (eMMC pSLC)	4 GB (eMMC pSLC)	4 GB (eMMC pSLC)
RAM	1 GB	1 GB	2 GB	2 GB	2 GB
FRAM	64 KB	64 KB	64 KB	64 KB	-
RT-Clock, RTC Back-up, Buzzer	Yes	Yes	Yes	Yes	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)	2 (Host V2.0, max. 500 mA)	2 (Host V2.0, max. 500 mA)	2 (Host V2.0, max. 500 mA)	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	Yes	Yes	Yes	Yes
Expansion	2 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	0.7 A at 24 Vdc (max.)	1.0 A at 24 Vdc (max.)	1.0 A at 24 Vdc (max.)	1.35 A at 24 Vdc (max.)	1.35 A at 24 Vdc (max.)
Input Protection	Electronic	Electronic	Electronic	Electronic	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			-30° to +70°C (vertical installation). Plug-in modules and USB devices may limit max temperature to +50 °C	
Storage Temperature	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C	-40°C to +85°C	-40°C 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
Protection Class	IP66 (front), IP20 (rear) - Type: 12, 4X	IP66 (front), IP20 (rear) - Type: 12, 4X	IP66 (front), IP20 (rear) - Type: 12, 4X	IP66 (front), IP20 (rear) - Type: 12, 4X	IP66 (front), IP20 (rear) - Type: 12, 4X
Dimensions and Weights					
Faceplate LxH	187x147 mm (7.36x5.79")	282x197 mm (11.10x7.80")	282x197 mm (11.10x7.75")	422x267 mm (16.6x10.5")	422x267 mm (16.6x10.5")
Cutout AxH	176x136 mm (6.93x5.35")	271x186 mm (10.67x7.32")	271x186 mm (10.66x7.32")	411x256 mm (16.18x10")	411x256 mm (16.18x10")
Depth D+T	47+8 mm (1.85+0.31")	56+8 mm (2.20+0.31")	56+8 mm (2.20+0.31")	56+8 mm (2.20+0.31")	56+8 mm (2.20+0.31")
Weight	1.5 Kg	2.5 Kg	1.7 Kg	4.1 Kg	4.1 Kg
Approvals					
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)				
ATEX	Zone 2/22: II 3 G Ex ec IIC T5...T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C		To be planned	To be planned	To be planned
IECEX	Zone 2/22: Ex ec IIC T5...T4 Gc, Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C		To be planned	To be planned	To be planned
UL	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class I Div. 2	cULus: Class I Div. 2	cULus: Class 1 Div 2	cULus: Class 1 Div 2	cULus: Class 1 Div 2
DNV	Yes	Yes	Yes	Yes	Yes
RCM	Yes	Yes	Yes	Yes	Yes
Part Number	+EX707GU5P1	+EX710GU5P1	+EX710MGU5P1	+EX715MGU5P1	+EX715MGU5PW

eX700FB Series



FOOD &
PHARMACEUTICAL



INDUSTRIAL
HMI





	eX707FB	eX710MFB	eX715MFB
System Resources			
Display - Colors	7" TFT 16:9 - 16M	10.1" TFT LED - 16M	15,6" TFT - 16M
Resolution	800x480, WVGA	1280x800, HD	1920x1080, Full HD
Brightness	500 Cd/m2 typ.	500 Cd/m2 typ.	350 Cd/m² typ.
Dimming	to 0%	Yes	Yes
Touchscreen	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch	Projected Capacitive, Multitouch
CPU	32-bit RISC dual core - 800 MHz	64-bit RISC quad core - 1.6 GHz	64-bit RISC quad core - 1.6 GHz
Operating System	Linux RT	Linux	Linux RT
Flash	4 GB	4 GB (eMMC pSLC)	4 GB (eMMC pSLC)
RAM	1 GB	2 GB	2 GB
FRAM	64 KB	64 KB	64 KB
Real Time Clock	Yes	Yes	Yes
RTC Back-up	Rechargeable Lithium battery, not user-replaceable	Rechargeable Lithium battery, not user-replaceable	Rechargeable Lithium battery, not user-replaceable
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)	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)	2 (Host V2.0, max. 500 mA)	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.	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.
SD card	Yes	Yes	Yes
Expansion	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)
Current Consumption	0.7 A at 24 Vdc (max.)	1.0 A at 24 Vdc (max.)	1.2 A at 24 Vdc (max.)
Input Protection	Electronic	Electronic	Electronic
Environment Conditions			
Operating Temperature	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C	-20° to +60 °C (vertical installation) - Plug-in modules and USB devices may limit max temperature to +50 °C	-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	-20°C to +70°C	-30°C to +80°C
Operating / Storage Humidity	5-85% RH, non condensing	5-85% RH, non condensing	5-85% RH, non condensing
Protection Class	IP69 (front), IP20 (rear) - Type: 12, 4X	IP69 (front), IP20 (rear) - Type: 12, 4X - Use of clamping frame may be required	IP69 (front), IP20 (rear) - Type: 12, 4X - Use of clamping frame may be required
Dimensions and Weights			
Faceplate LxH	217x177 mm (8.54x6.96")	310x225 mm (12.20x8.86")	450x295mm
Cutout AxB	176x136 mm (6.93x5.35")	271x186 mm (10.67x7.32)	411x256 mm (16.18x10")
Depth D+T	45+10 mm (1.77+0.4")	50 + 9 mm (1.97"+0.35")	54+10 mm (2.125+0.394")
Weight	2.5 Kg	3.4 Kg	5.2 Kg
Approvals			
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
UL	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201
RCM	Yes	Yes	Yes
Part Number	+EX707U4F1	+EX710MU4F1	+EX715MHU4F1

Xedge Series



Xedge Slim

System Resources	
CPU	Intel X6214RE - 1.4 GHz Intel x6425RE - 1.9 GHz
Operating System	None, Windows, Linux RT
Flash Storage	64 GB eMMC
RAM	LPDDR4x up to 16 GB
FRAM	64 KB
Real time Clock, RTC Back-up	Yes, VL2330 Lithium battery
Security	TPM 2.0
Interface	
Display I/O	1 Display port 1.2
Ethernet port	2 1.0 GbE
USB port	2 (USB 3.1 gen.1)
Storage	Up to 1 TB M.2 SATA SSD (Optional)
Expansion	2 Slot for EXOR International plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.4 A at 24 Vdc typ without expansion modules and USB load, Class 2 2 A at 24 Vdc max with 2 expansion modules and 2 X 900 mA USB load, Class 2
Input protection	Anti-inversion, Overvoltage, Resettable Fuse
Environment Conditions	
Operating Temperature	-20°C to +60°C (vertical installation), -20°C to +55°C with optional SSD
Storage Temperature	-30°C to +80°C
Operating/Storage Humidity	5-85% RH, non condensing
Protection class	IP20
Dimensions and Weights	
Faceplate LxH	144x174 mm (5.67"x6.85")
Depth C	40 mm (1.57")
Weight	0.925 Kg
Mounting Type	DIN Rail (TS35)
Approvals	
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
UL	cULus: UL61010-1 / UL61010-2-201
Ordering information	Explore and select your preferred version at products.exorint.com

The images shown are for illustration purposes only and are not an exact representation of the product.



Xedge Expanded

System Resources	
CPU	Intel x6000E Series, up to 1.9 GHz
Operating System	None, Windows, Linux RT
Flash Storage	64 GB eMMC
RAM	LPDDR4x up to 16GB
FRAM	64 KB
Real time Clock, RTC Back-up	Yes, VL2330 Lithium battery
Buzzer	Yes
Leds	2 bi-colors
Security	TPM 2.0
Interface	
Display I/O	2 Display port 1.2
Ethernet port	2 1.0 GbE, 2 2.5 GbE
USB port	2 USB 3.1 gen.1, 2 USB 2.0
Storage	Up to 1 TB M.2 SATA SSD
Wi-Fi	1 Wi-Fi 6 (optional)
Cellular	1 LTE (optional)
Expansion	2 slots (hw-ready for standard plug-in modules)
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	2.5 A max. with expansion modules (full load), Class 2
Input protection	Anti-inversion, Overvoltage, Resettable Fuse
Environment Conditions	
Operating Temperature	-20°C to +55°C (vertical mounting)
Storage Temperature	-20°C to +70°C
Operating/Storage Humidity	5-85% RH, non condensing
Protection class	IP20
Dimensions and Weights	
Faceplate LxH	140.2x202.5 mm (5.52"x7.97")
Depth C	73 mm (2.87")
Weight	1.4Kg
Mounting Type	Wall mouting / DIN rail TS35 (optional)
Approvals	
CE	Radio Equipment Directive 2014/53/EU (RED)
FCC	FCC Part 15 Subpart B Class A / FCC Part 15 Subpart C Class A
IC	ICES-003 ISSUE 7 CLASS A / IC RSS-247 Issue 3 and RSS-Gen Issue 5
UL	UL61010-1 / UL61010-2-201
Ordering information	Explore and select your preferred version at products.exorint.com

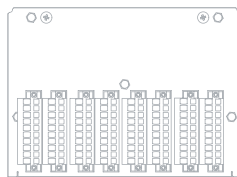
Xedge15

System Resources	
Display	15.6" TFT - 16M colors
Resolution	1920x1080, FHD
Brightness	350 cd/m² typ.
Dimming	Yes
Touchscreen	PCAP, Multitouch
CPU	Intel x6000E Series, up to 1.9 GHz
Operating System	None, Windows, Linux RT
Flash Storage	64 GB eMMC
RAM	LPDDR4x up to 16GB
FRAM	64 KB
Real time Clock, RTC Back-up	Yes, VL2330 Lithium battery
Buzzer	Yes
Leds	2 bi-colors
Security	TPM 2.0
Interface	
Display I/O	2 Display port 1.2
Ethernet port	2 1.0 GbE, 2 2.5 GbE
USB port	2 USB 3.1 gen.1, 2 USB 2.0
Storage	Up to 1 TB M.2 SATA SSD
Wi-Fi	1 Wi-Fi 6 (optional)
Cellular	1 LTE (optional)
Expansion	2 slots (hw-ready for standard plug-in modules)
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	3.7 A max. with expansion modules (full load), Class 2
Input protection	Anti-inversion, Overvoltage, Resettable Fuse
Environment Conditions	
Operating Temperature	-20°C to +55°C (vertical mounting)
Storage Temperature	-20°C to +70°C
Operating/Storage Humidity	5-85% RH, non condensing
Protection class	IP20
Dimensions and Weights	
Faceplate LxH	422x267 mm (16.61"x10.51")
Cut-out	411x256mm (16.18"x10.08")
Depth D+T	84.5+8.5 mm (3.33"+0.33")
Weight	4.8 kg
Approvals	
CE	Radio Equipment Directive 2014/53/EU (RED)
FCC	FCC Part 15 Subpart B Class A / FCC Part 15 Subpart C Class A
IC	ICES-003 ISSUE 7 CLASS A / IC RSS-247 Issue 3 and RSS-Gen Issue 5
UL	UL61010-1 / UL61010-2-201
Ordering information	Explore and select your preferred version at products.exorint.com

Xedge21

System Resources	
Display	21.5" TFT - 16M colors
Resolution	1920x1080, FHD
Brightness	300 cd/m² typ.
Dimming	Yes
Touchscreen	PCAP, Multitouch
CPU	Intel x6000E Series, up to 1.9 GHz
Operating System	None, Windows, Linux RT
Flash Storage	64 GB eMMC
RAM	LPDDR4x up to 16GB
FRAM	64 KB
Real time Clock, RTC Back-up	Yes, VL2330 Lithium battery
Buzzer	Yes
Leds	2 bi-colors
Security	TPM 2.0
Interface	
Display I/O	2 Display port 1.2
Ethernet port	2 1.0 GbE, 2 2.5 GbE
USB port	2 USB 3.1 gen.1, 2 USB 2.0
Storage	Up to 1 TB M.2 SATA SSD
Wi-Fi	1 Wi-Fi 6 (optional)
Cellular	1 LTE (optional)
Expansion	2 slots (hw-ready for standard plug-in modules)
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	5.3 A max. with expansion modules (full load), Class 2
Input protection	Anti-inversion, Overvoltage, Resettable Fuse
Environment Conditions	
Operating Temperature	-20°C to +55°C (vertical mounting)
Storage Temperature	-20°C to +70°C
Operating/Storage Humidity	5-85% RH, non condensing
Protection class	IP20
Dimensions and Weights	
Faceplate LxH	552x347 mm (21.73"x13.66")
Cut-out	541x336 mm (21.30"x13.23")
Depth D+T	84,5+8,5 mm (3.33"+0.33")
Weight	6.8 kg
Approvals	
CE	Radio Equipment Directive 2014/53/EU (RED)
FCC	FCC Part 15 Subpart B Class A / FCC Part 15 Subpart C Class A
IC	ICES-003 ISSUE 7 CLASS A / IC RSS-247 Issue 3 and RSS-Gen Issue 5
UL	UL61010-1 / UL61010-2-201
Ordering information	Explore and select your preferred version at products.exorint.com

HMI Accessories Plug-In



Model	Ordering Code		Description	Compatible with
PLCM01	+PLCM01U0P1	105002500U-0000	Plug-in CAN	eX700, eX700M, eX700FB, eX700G, eX700MG, eXware Series
PLCM02	+PLCM02U001	105002500U-0006	Plug-in KNX/EIB (TP interface)	eX700, eX700M, eX700FB, eX700G, eX700MG, eXware Series
PLCM03	+PLCM03U0P1	105002500U-0008	Plug-in RS-232	eX700, eX700M, eX700FB, eX700G, eX700MG, eXware Series
PLCM04	+PLCM04U0P1	105002500U-0010	Plug-in RS-422/485 with optical insulation	eX700, eX700M, eX700FB, eX700G, eX700MG, eXware Series
PLCM05	+PLCM05U0P2	105002500U-0013	Plug-in extender (for use with PLIO03/04)	eX705, eX705M, eXware703
PLCM06	+PLCM06U0P1	105002500U-0014	Plug-in Profibus DP slave 12 MB	eX700, eX700M, eX700FB, eX700G, eX700MG, eXware Series
PLCM10	+PLCM10U0P1	105002500U-0029	Plug-in Wireless Modem LTE/4G, Wi-Fi, GNSS	eX700, eX700M, eX700G, eX700MG, eX700FB, eX700MFB, eXware Series
PLCM10B	+PLCM10BU0P1	105002500U-0030	Plug-in Wireless Modem LTE/4G	eX700, eX700M, eX700G, eX700MG, eX700FB, eX700MFB, eXware Series
CODESYS V3 SoftPLC	+SWLC00R000000	104SOFT00U-0022	CODESYS V3 activation license	eX700, eX700M, eX700FB, eX700MFB, eX700G, eX700MG, eXware, JSmart, eSMART Series
DB Connector	+SWLJ00C000000	104SOFT00U-0067	JMobile Native Database Connector	eX700, eX700M, eX700FB, eX700MFB, eX700G, eX700MG, eXware, JSmart, eSMART Series
PLIO03	+PLIO03U0P1	105002500U-0020	Plug-in I/O 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 Cold Junct	eX700, eX700M, eX700FB, eX700MFB, eX700G, eX700MG, eXware Series
PLIO04	+PLIO04U0P1	105002500U-0023	Plug-in I/O 10 DI 24 VDC, 10 DO SSR 1.4 A, 4 Programmable AI voltage/PT100/TC, 4 AI voltage, 1 PT100	eX700, eX700M, eX700FB, eX700MFB, eX700G, eX700MG, eXware Series
PLIO06	+PLIO06U0P1	105002500U-0024	Plug-in I/O compact 8 DI, 6 DO, 1 Relay Output	eX700, eX700M, eX700FB, eX700MFB, eX700G, eX700MG, eXware Series



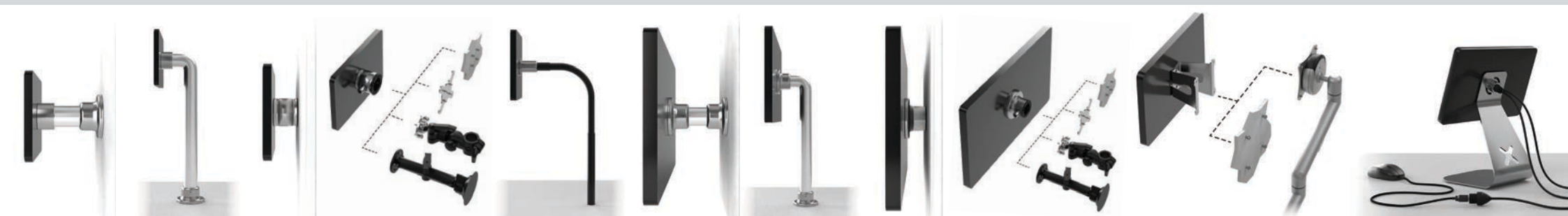
JSmart Accessories



PoE DIN Mounting

PoE Panel Mounting

Features		
PoE Standard	IEEE 802.3af/at	IEEE 802.3af/at
Output Power	36W max	36W max
DC Output Voltage	+54 Vdc	+54 Vdc
Data rates	10/100	10/100
Interface		
Ethernet IN port	10/100	10/100
Ethernet OUT port	10/100 PoE	10/100 PoE
Diagnostic LEDS	3	3
Ratings		
Power Supply	+24 Vdc (18-32 Vdc)	+24 Vdc (18-32 Vdc)
Current Consumption	2.0 A at 24 Vdc (max.)	2.0 A at 24 Vdc (max.)
Efficiency	80% typ	80% typ
Over Voltage / Current Protection	Yes	Yes
Short Circuit Protection	Yes	Yes
Reverse Polarity	Yes	Yes
Environment Conditions		
Operating Temp	-20°C to +55° C	-20°C to +55°C
Storage Temp	-30°C to +80°C	-30°C to +80°C
Operating / Storage Humidity	5-85% RH, non-condensing	5-85% RH, non-condensing
Protection Class	IP20 EN60529	IP67 EN60529 front cabinet
Dimensions and Weights		
Faceplate LxH	80x120 mm	80x120 mm
Depth D	28 mm	28 mm
Weight	350 g	350 g
Approvals		
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
UL	cULus: UL61010-1 / UL61010-2-201	cULus: UL61010-1 / UL61010-2-201
RCM	Yes	Yes
Part Number	+JSPQU0P1	+JSPQU0P2



Tube Bracket



+JSBRU001

Tube Bracket



+JSBRU002

Wall Bracket



+JSBRU003

Wall Bracket



+JSBRU004

Multiuse Bracket



+JSBRU009

Multiuse Bracket



+JSBRU010

VESA Bracket



+JSBRU005

Table Stand



+JSBRU006

Gooseneck Bracket



+JSBRU007

VESA Adapter Bracket



+JSBRU008

90° PoE Cable



+JSCAU001

Ethernet PoE Cable



+JSCAU002

PoE USB Cable



+JSCAU003

PoE Injector Cable



+JSCAU004

X Series



X5 Wireless

System Resources	
Display - Colors	5" TFT LED - 64K colors
Resolution	480x272
Brightness	300 Cd/m² typ.
Dimming	Yes
Touchscreen	Resistive
CPU	32-bit RISC Single Core 528 MHz
Operating System	Linux 4.14
Flash	4 GB
RAM	512 MB
Real Time Clock, RTC Back-up	Yes, rechargeable Lithium battery (not user-replaceable)
Handwheel	Yes
Potentiometer	2
Selector Rotary Switch	16 positions
Emergency Stop Button	Yes, illuminated
Enabling Button	3 positions
Status Indicators	2 bi-color LED
Keys	19 user-programmable
Sensors	3-axis Accelerometer, Temperature (internal)
Buzzer, Vibrator	Yes
Interface	
Wireless	IEEE Std 802.11a/b/g/n
USB	2 Host V2.0, 250mA max
NFC	Yes (optional)
Ratings	
Power Supply	Rechargeable Battery
Battery capacity	4400 mAh
Charging Station	Yes
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	Radio Equipment Directive 2014/53/EU (RED) - Machine Directive (2006/42/EC)
Electrical Safety	EN 61010-1 / EN 61010-2-201, UL61010-1 / UL61010-2-201
Safety functions	SIL (IEC 61508): Emergency Stop SIL3, Enabling Device SIL 3, Selector SIL 1 - Performance Level (EN ISO 13849-1): Emergency Stop PL=d, Cat.3, Enabling Device PL=d, Cat.3, Selector PL=b, Cat.B



MOBILE HMI



INDUSTRIAL HMI



ONE
BY EXOR INTERNATIONAL

Model	Part Number	Description
X5 Wireless	10100390YE-0001	Mobile HMI 5" TFT, 480x272, Resistive Touch, 4 GB Flash memory, Wi-Fi, JMobile runtime
Xbase	10100390YE-0000	ON3 BASE STATION X5
Xcharging	10100390YE-0002	RECHARGING STATION



X5 Wired

System Resources	
Display - Colors	5" TFT LED - 64K colors
Resolution	480x272
Brightness	300 Cd/m ² typ.
Dimming	Yes
Touchscreen	Resistive
CPU	32-bit RISC Single Core 528 MHz
Operating System	Linux 4.14
Flash	4 GB
RAM	512 MB
FRAM	32 KB
Real Time Clock, RTC Back-up	Yes, rechargeable Lithium battery (not user-replaceable)
Handwheel	Yes
Potentiometer	2 (Optional)
Selector Rotary Switch	16 positions (Optional)
Emergency Stop Button	Yes, illuminated
Enabling Button	3 positions
Status Indicators	1 bi-color LED
Keys	19 user-programmable
Sensors	3-axis Accelerometer
Buzzer	Yes
Interface	
Ethernet	1 (port 0 - 10/100)
USB	2 Host V2.0, 250mA max
Ratings	
Power supply	24 Vdc (18 to 30 Vdc)
Current	0.25 A typ. at 24 Vdc (0.4 A max.), Class 2
Consumption	Automatic
Input Protection	Automatic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temperature	+5 to +45°C
Storage Temperature	-20 to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP64
Dimensions and Weights	
Faceplate LxH	220x130 (8.66" + 5.12")
Depth D+T	50 mm (1.97")
Weight	Approx. 0.8 Kg (without cable)
Approvals	
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
UL	cULus: ul61010-1 / UL61010-2-201
Safety functions	IEC 61508 / EN ISO 13849-1

X7 Wired

System Resources	
Display - Colors	7" TFT - 16M
Resolution	1024x600
Brightness	400 Cd/m ² typ.
Dimming	Yes
Touchscreen	Projected Capacitive - Multitouch
CPU	64-bit Quad Core - 1.6 GHz
Operating System	Linux RT
Flash	4 GB (eMMC pSLC)
RAM	2 GB
Real Time Clock, RTC Back-up	Yes - with rechargeable battery
Safety & controls	
Emergency Stop Button	Yes, illuminated
Enabling Button	1 (3 positions)
Selector Switch	1 Optional (8 positions)
Potentiometer	2 Optional
Key switch	Yes
Interface	
Ethernet port	1 (10/100 with dedicated cable)
Serial port	1 (RS-232, RS-485, RS-422, with dedicated cable)
USB port	1 (Host V2.0, max. 100 mA)
Sensors	Temperature, 3-Axis Accelerometer, Environment Light
Status LED	1 (RGB)
Buzzer	Yes
NFC	ISO/IEC 14443A Optional
Camera	Optional
Ratings	
Power Supply	24 Vdc (19.2 to 28.8 Vdc)
Power	0,4 A at 24Vdc (max 0,50A at 19.2 Vdc), Class 2
Consumption	0,45 A at 24Vdc (max: 0,55A at 19.2Vdc), Class 2
Operating Temperature	-20°C to +60°C
Storage Temperature	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP65
Approvals	
CE	Radio Equipment Directive 2014/53/EU (RED) - NFC version Electromagnetic Compatibility Directive 2014/30/EU (EMC) - without NFC version
Safety functions	SIL (IEC 61508): Emergency Stop and Enabling Device allow a SIL 3 application, depending on the final use, Performance Level (EN ISO 13849-1): Emergency Stop and Enabling Device allow a PLe application, depending on the final use.
UL	cULus: UL61010-1/UL61010-2-201

X10 Wired

Ordering information

Model	Part Number	Description
X5 Wired	10100610YE-0000	X5 Wired (YEISYY1201), Ethernet, wheel, selector, potentiometers, cable 3 m, connector, weight approx. 1.3 Kg
	10100610YE-0002	X5 Wired (YEI00Y4201), Ethernet, wheel, cable 5 m, connector, weight approx. 1.6 Kg
	10100610YE-0003	X5 Wired (YEI00Y2201), Ethernet, wheel, cable 10 m, connector, weight approx. 2.3 Kg
	10100610YE-0001	X5 Wired (YEISYY3201), Ethernet, wheel, selector, potentiometers, cable 20 m, connector, weight approx. 3.7 Kg
X Wiring Box	10500610YE-0002	X5 Wired Connection Box, weight approx. 0.2 Kg
X Docking Cradle	10500610YE-0000	X5 Wired Docking Cradle, weight approx. 0.2 Kg

Model	Part Number	Description
X7 Wired - YEI000Y1CA1	10100540YE-0001	Mobile HMI 7" PCAP Touch, Emergency Stop, Keypad, JMobile runtime, net weight app. 1.1 Kg
X10 Wired - YEI000Y1CA1	10100540YE-0002	Mobile HMI 10" PCAP Touch, Emergency Stop, Keypad, JMobile runtime, net weight app. 1.5 Kg
Accessories	Part Number	Description
XCAYE0501	10500540YE-0003	X7/X10 Cable Free Wires 5m, net weight approx. 1,3 Kg
XCAYE1001	10500540YE-0004	X7/X10 Cable Free Wires 10m, net weight approx. 2,6 Kg
Xbase Wired - YE0001	10500590YE-0000	X7/X10 Connection Box, net weight approx. 0.38 Kg
XCWYE0501	10500540YE-0001	X7/X10 Conn. Circ. Cable 5 m, net weight approx. 1,5 Kg
XCWYE1001	10500540YE-0002	X7/X10 Conn. Circ. Cable 10 m, net weight approx. 2.8 Kg
Xdock - 01	10500540YE-0000	X7/X10 Wall Bracket, net weight approx. 0.060 Kg



X Series

PRELIMINARY



MOBILE HMI



INDUSTRIAL HMI

ONE
BY EXOR INTERNATIONAL

X7 Smart Wired | PRELIMINARY DATA

X10 Smart Wired | PRELIMINARY DATA

System Resources		
Display - Colors	7" TFT - 16M	10" TFT - 16M
Resolution	1024x600	800x1280
Brightness	400 Cd/m2 typ.	400 Cd/m2 typ.
Dimming	Yes	Yes
Touchscreen	Projected Capacitive - Multitouch	Projected Capacitive - Multitouch
CPU	64-bit Quad Core - 1.6 GHz	64-bit Quad Core - 1.6 GHz
Operating System	Linux RT	Linux RT
Flash	4 GB	4 GB
RAM	2 GB	2 GB
Real Time Clock, RTC Back-up	Yes - with rechargeable battery	Yes - with rechargeable battery
Safety and controls		
Emergency Stop Button	Yes, illuminated	Yes, illuminated
Enable Switch	1 (3 positions)	2 (3 positions)
Selector Switch	1 Optional (8 positions)	1 Optional (8 positions)
Potentiometer	2 Optional	2 Optional
Key switch	Yes	Yes
Interface		
Safety Link Wired Ethernet	10/100 Mbit PoE	10/100Mbit PoE
USB port	1 (Host V2.0, max. 100 mA)	1 (Host V2.0, max. 100 mA)
Sensors	Temperature, 3-Axis Accelerometer, Environment Light	Temperature, 3-Axis Accelerometer, Environment Light
Status LED	1 (RGB)	1 (RGB)
Buzzer	Yes	Yes
NFC	ISO/IEC 14443A Optional	ISO/IEC 14443A Optional
Camera	Optional	Optional
Ratings		
Power Supply	24 Vdc (19.2 to 28.8 Vdc)	24 Vdc (19.2 to 28.8 Vdc)
Power Consumption	10W typ. (To be confirmed)	10W typ. (To be confirmed)
Operating Temperature	-20°C to +60°C	-20°C to +60°C
Storage Temperature	-20°C to +70°C	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing	5-85% RH, non condensing
Protection Class	IP65	IP65
Approvals		
CE	Radio Equipment Directive 2014/53/EU (RED)	Radio Equipment Directive 2014/53/EU (RED)
Safety functions	SIL (IEC 61508): Emergency Stop SIL 3, Enabling Device SIL 3, Performance Level (EN ISO 13849-1): Emergency PLe; Enabling Device PLe	SIL (IEC 61508): Emergency Stop SIL 3, Enabling Device SIL 3, Performance Level (EN ISO 13849-1): Emergency PLe; Enabling Device PLe
UL	cULus: UL61010-1/UL61010-2-201 (pending certificate)	cULus: UL61010-1/UL61010-2-201 (pending certificate)
RoHS - 2011/65/EU +2015/863/EU	Restriction to Hazardous Substances Directive	Restriction to Hazardous Substances Directive
REACH	Compliant	Compliant



X7 Wireless | PRELIMINARY DATA

X10 Wireless | PRELIMINARY DATA

System Resources		
Display - Colors	7" TFT - 16M	10" TFT - 16M
Resolution	1024x600	800x1280
Brightness	400 Cd/m2 typ.	400 Cd/m2 typ.
Dimming	Yes	Yes
Touchscreen	Projected Capacitive - Multitouch	Projected Capacitive - Multitouch
CPU	64-bit Quad Core - 1.6 GHz	64-bit Quad Core - 1.6 GHz
Operating System	Linux RT	Linux RT
Flash	4 GB	4 GB
RAM	2 GB	2 GB
Real Time Clock, RTC Back-up	Yes - with rechargeable battery	Yes - with rechargeable battery
Safety and controls		
Emergency Stop Button	Yes, illuminated	Yes, illuminated
Enable Switch	1 (3 positions)	2 (3 positions)
Selector Switch	1 Optional (8 positions)	1 Optional (8 positions)
Potentiometer	2 Optional	2 Optional
Key switch	Yes	Yes
Interface		
Wi-Fi	Safety Black Channel Link	Safety Black Channel Link
USB port	1 (Host V2.0, max. 100 mA)	1 (Host V2.0, max. 100 mA)
Sensors	Temperature, 3-Axis Accelerometer, Environment Light	Temperature, 3-Axis Accelerometer, Environment Light
Status LED	1 (RGB)	1 (RGB)
Haptic feedback	Yes	Yes
Buzzer	Yes	Yes
NFC	ISO/IEC 14443A Optional	ISO/IEC 14443A Optional
Camera	Optional	Optional
Ratings		
Power Supply	24 Vdc (19.2 to 28.8 Vdc)	24 Vdc (19.2 to 28.8 Vdc)
Operating Autonomy	4h (To be confirmed)	4h (To be confirmed)
Operating Temperature	0°C to +55°C	0°C to +55°C
Storage Temperature	-20°C to +70°C	-20°C to +70°C
Operating / Storage Humidity	5-85% RH, non condensing	5-85% RH, non condensing
Protection Class	IP65	IP65
Approvals		
CE	Radio Equipment Directive 2014/53/EU (RED) - Machine Directive (2006/42/EC)	Radio Equipment Directive 2014/53/EU (RED) - Machine Directive (2006/42/EC)
Safety functions	SIL (IEC 61508): Emergency Stop SIL 3, Enabling Device SIL 3, Performance Level (EN ISO 13849-1): Emergency PLe; Enabling Device PLe	SIL (IEC 61508): Emergency Stop SIL 3, Enabling Device SIL 3, Performance Level (EN ISO 13849-1): Emergency Stop PL=d, Cat 3; Enabling Device PL=d, Cat 3
UL	cULus: UL61010-1/UL61010-2-201 (pending certificate)	cULus: UL61010-1/UL61010-2-201 (pending certificate)
RoHS - 2011/65/EU +2015/863/EU	Restriction to Hazardous Substances Directive	Restriction to Hazardous Substances Directive
REACH	Compliant	Compliant

EPC, IPC, eCC/eCCF & MON Series



INDUSTRIAL PCs



Panel PC Entry Level EPC Series

Industrial Grade Multiple-Purpose Panel PC with wide display and PCAP Touch Screen Onboard Intel® Processor N97

- From 15,6" to 21" wide display
- Intel® Processor N97, Quad Core 2.0GHz, 6M Cache
- Flush panel by P-Cap touch screen with slim bezel
- 1 x DDR5-4800MHz with default 8GB installed
- Additional 2nd Display: 1 x DP / 1 x USB-C
- Dual Intel® 2.5GbE LAN ports, 2 x USB 3.2, 1 x Line-out
- 2 x RS232/422/485, 1 x RS232, 1 x mini-PCle, 2 x M.2
- IP65 compliant front panel
- Mounting support: panel/wall/stand/VESA 100mm x 100mm
- DC power input 24VDC

Sectors

Entry-level industrial PCs are ideal for multiple vertical markets, offering a dependable and cost-effective solution for process automation and digitalization:

- **Ceramic:** Real-time quality control and monitoring of production lines.
- **Packaging:** Integration with packaging machinery and labeling systems, product traceability.
- **Textiles:** Production monitoring, machine control, and workflow optimization.
- **Logistics:** Warehouse management, automated picking, and handling systems.



Applications

Their versatility makes these industrial PCs an excellent choice for a wide range of automation applications:

- **HMI Visualization:** Intuitive interfaces for operators and maintenance staff.
- **Database Management:** Collecting, processing, and storing process data.
- **Open Software:** Compatibility with open-source platforms for customized and scalable solutions.

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or scan the QR code.



Panel PC High End IPC Series

Heavy Industrial Grade Panel PC Intel® Core™ i3/i5/i7/i9 (10th Gen) LGA1200 socket

- From 15,6" to 21" with PCAP Touch Screen
- Intel® Core™ i3/i5/i7/i9 (10th Gen) LGA1200 socket
- Wide display with P-Cap touch
- Support 35W 10th Gen Intel® Core™ i9/i7/i5/i3/ Pentium/Celeron processor
- 2 x DDR4 2933MHz DRAM, up to 32GB (non-ECC)
- Dual Intel® GbE LAN ports/DP++/Dual USB 3.0
- 1 x RS232, 1 x RS232/422/485 with isolation (optional)
- 1 x PCIe x4 expansion



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Sectors

The new family of **high-performance Panel PCs** has been designed to meet the needs of the most demanding sectors in terms of reliability, computing power and robustness.

With premium features built in, these devices are the perfect fit, from **oil & gas to packaging and F&B, for machine builders** who demand advanced, secure, and long-lasting automation.

Applications

With powerful computing capabilities and an architecture designed for demanding industrial settings, Panel PCs are ideal for a variety of applications:

- **HMI supervision systems** for complex production lines, with advanced graphics and real-time management of large volumes of data.
- **High-performance machine control**, where reliability, fast response times and precision are essential.
- **Database and MES/ERP management**, enabling seamless integration of production data with enterprise management systems.
- **Machine vision applications for quality control**, visual inspection and process monitoring.

- **Artificial intelligence (AI) applications** for predictive analytics, preventive maintenance and process optimisation.
- **Edge computing and Industrial IoT**, with the ability to locally process large amounts of data before sending it to the cloud.
- **Security and traceability applications**, such as access monitoring, advanced logistics and supply chain management.

With this versatility, Panel PCs prove to be essential tools for those seeking high performance, operational continuity and integration with the most advanced automation technologies.



Industrial Box PCs eCC & eCCF Series

Entry Level and High End Compact Industrial Box PCs

- Intel® Core™/Celeron® processors up to 13th Gen
- Wide operating temperature ranges -40°C to +70°C
- Multiple high-speed LAN ports (Intel® I226-IT 2.5GbE with WoL, teaming and PXE)
- Versatile display outputs (HDMI, DP, VGA), rich I/O connectivity (USB 3.2, RS232/422/485 with isolation, digital I/O)
- TPM 2.0 security, and expansion options via M.2 and mini-PCIe for storage
- Wi-Fi, LTE/5G



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Sectors

Industrial Box PCs deliver reliable, high-performance automation for a wide range of industries. The **Entry-level models** feature a compact, fanless design, making them perfect for applications where space is limited but performance can't be compromised. Fast to integrate in control cabinets, they're ideal for **packaging** (machine control, production lines, labeling), **food & beverage** (process management and supervision), **logistics** (order picking, material handling, advanced traceability), and **custom OEM machines**.

Our **High End Box PCs series** is engineered to meet the rigorous requirements of demanding sectors, combining exceptional reliability, processing power, and durability. These advanced devices excel in environments like **oil & gas**, **packaging**, **food & beverage**, and are a trusted choice for machine builders who need secure and resilient automation solutions.

The eCCF series also supports DIN-rail mounting, streamlining cabinet installation and simplifying wiring for faster integration.

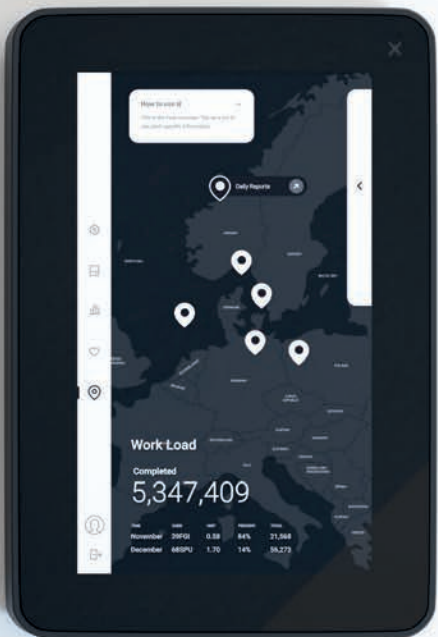
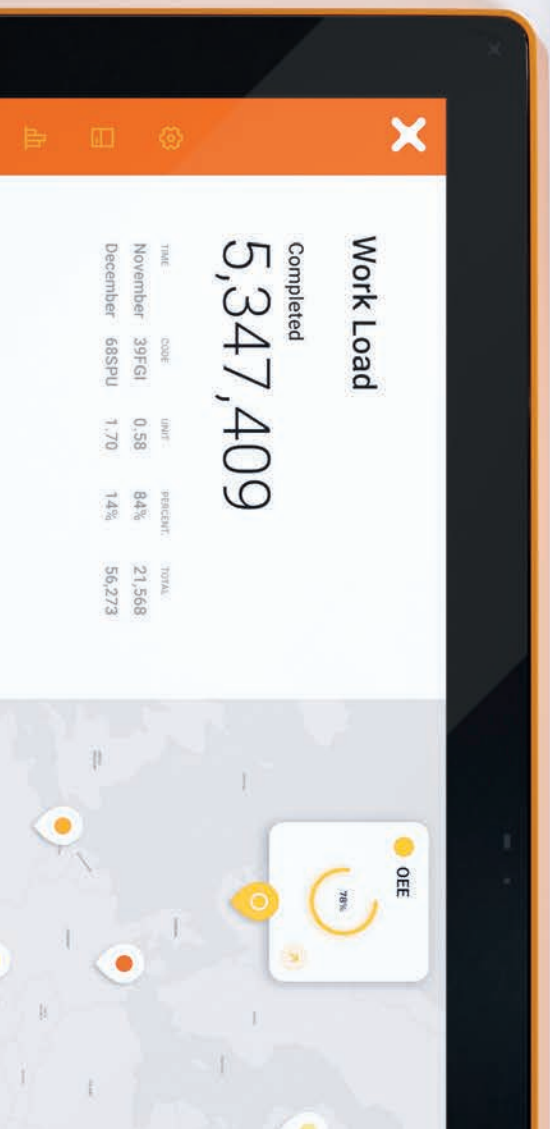
Applications

With a flexible, scalable design, our **Entry-level compact Box PCs** are ideal for a broad range of automation applications:

- **HMI applications** for monitoring and controlling complex plants.
- **Execution of proprietary or third-party software** requiring high computational capacity.
- **Database management for MES/ERP integration** with local processing of production data.
- **Edge computing and Industrial IoT** with on-site data collection and analysis.

With advanced computing power and an architecture built for complex industrial tasks, **High-end Box PCs** are perfect for a wide range of demanding applications:

- **SCADA systems** for monitoring and controlling complex plants.
- **High-performance machine control** with fast response times and management of critical production cycles.
- **Database and MES/ERP management** for integrating production data with enterprise management systems.
- **Machine vision applications** for quality control, visual inspection, and monitoring of production processes.
- **Artificial intelligence (AI) applications** for predictive analytics, preventive maintenance, and process optimisation.
- **Edge computing and Industrial IoT** with local processing of large volumes of data before transmission to the cloud.



Industrial Grade Multiple-Purpose Monitor MON Series

- Display 4:3 range: from 12" to 19", with resistive touchscreen - ideal where precision is needed, even with gloves or a stylus.
- Display 16:9 range: from 15" to 21", with projected capacitive (PCAP) touchscreen for a modern, intuitive user experience.
- Flush-panel design with slim bezel and IP65 front protection, resistant to dust and splashes.
- Multiple video inputs (DisplayPort, DVI, VGA depending on model) and standard interfaces for touch connectivity.
- Flexible mounting: panel / wall / stand / VESA 100×100 mm.
- 24 VDC power input for integration across various industrial environments.



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Sectors

Industrial monitors are engineered to operate in harsh conditions and ensure continuity across multiple verticals:

- **Industrial automation:** production line supervision and HMI control systems.
- **Packaging:** integration with packaging machines and labeling systems.
- **Food & Beverage:** environments requiring rugged, easy-to-clean panels.
- **Logistics & warehousing:** control stations for automated material-handling systems.
- **Marine & transportation:** applications with high demands for robustness and reliability

Applications

With dual formats (4:3 and 16:9) and two touch options (resistive or P-CAP), the industrial monitors suit a wide variety of applications:

- **HMI visualization:** Runs SCADA and machine control reliably, with responsive touch for operators.
- **Process control:** Connects to PLCs, embedded systems, or industrial PCs for real-time decisions.
- **Industrial signage:** Clear line displays and info panels that stand up to harsh environments.
- **OEM integration:** Easily built into proprietary machines and custom solutions.



Customised Solutions

Customisation as a Core Principle

At EXOR, we see customised solutions as a process that starts with **listening carefully to our customers** and asking the right questions. Hardware, software and services are never treated as isolated elements, but as **interlocking components that together create a complete system**.

SOFTWARE

CYBERSECURITY

LINUX OR
MICROSOFT OS

DRIVERS,
MIDDLEWARE AND
APPLICATIONS

IIOT, OTA, CLOUD
AND DEVICE
MANAGEMENT

HARDWARE



SERVICES

NEW PRODUCT
DEVELOPMENT

R&D AND DESIGN

PRODUCTION

CERTIFICATION

MANUFACTURING
AND LOGISTICS

LIFE-CYCLE
MANAGEMENT AND
SUPPORT

When standard products are not enough, the **X Platform offers both semi-custom and full-custom designs tailored to the specific requirements of each application.**

Drawing on a broad product portfolio and deep expertise in board and system design, we deliver **application-specific solutions** that meet the highest standards of quality, robustness and durability.

Beyond product design, our customers benefit from **complementary services**, from software development to lifecycle and obsolescence



Product Overview

- Edge devices x86, ARM based
- Industrial HMIs with display from 5" to 24" and PCAP technology
- Industrial Panel PCs, monitors, Box PCs
- Complete solutions combining hardware, OS, middleware, cloud connectivity and application software
- Full BSP support

Technologies

- Functional safety integration
- 5G, Wi-Fi 6 and Bluetooth connectivity
- TSN (Time-Sensitive Networking) for time-critical communication
- Modular high-performance computing based on SOM

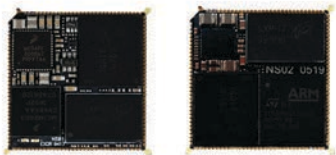
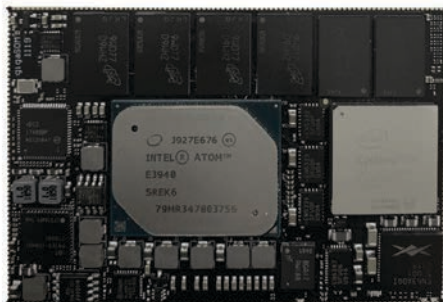
Services

- Hardware and system design
- Project and lifecycle management
- Validation and certification (CE, UL, ATEX, IECEX, DNV)
- Industrialization and production
- Built-in cybersecurity practices

Client Program Support

- Dedicated point of contact for all client needs
- Alignment on project goals: time, quality, budget
- Comprehensive Project and Product Management

Embedded Systems



The EXOR Embedded SOM series offers great performance, space and cost saving array of products.

The SOM catalog is constantly expanded and updated with new versions based on the latest ARM, x86 and FPGA processors to guarantee our customers the possibility of creating competitive and performing product.

High computing power and economy of space is a special feature of the design. They offer the possibility to place them in compact devices.

Embedded Systems

Embedded Systems by EXOR: Powering industries with embedded solutions, offering scalability, connectivity, and extended lifecycle for a smarter, integrated future.

Why use an Embedded System?

Embedded solutions by EXOR form the heartbeat of modern industries, driving intelligence deep within machines and systems. As industries grapple with the need for smarter devices and more interconnected systems, embedded technology becomes paramount.

EXOR not only provides the backbone to these requirements but ensures that solutions are **tailored for longevity, reliability, and integration**. The marriage of advanced technology with durability translates to a reduced total cost of ownership for machine builders.

EXOR extends the lifecycle of devices, keeping them relevant even in rapidly evolving technological landscapes. The vast range of connectivity options ensures seamless integration into diverse systems, while the scalability caters to both current demands and future expansions. By investing in EXOR, industries are essentially adopting a smarter, more integrated approach to their operations, aligning with the future while maximizing present-day efficiency.

COMPETITIVE DIFFERENTIATOR

Long Lifecycle

Enhanced Scalability

Diverse Connectivity

Rugged Construction

Simplified Integration

DERIVED BENEFIT

EXOR's commitment to ensuring prolonged device relevancy, ensuring cost-effective and future-ready solutions.

Adaptable solutions that meet current demands while being prepared for future expansions, ensuring sustainable growth.

A plethora of integration options, catering to an expansive range of systems, enhancing interoperability and system efficiency.

Designed to withstand challenging environments, ensuring consistent performance and reduced maintenance requirements.

Ease of incorporating into existing systems with support tools and frameworks, ensuring smooth transitions and quicker deployment. Dedicated point of contact for all client needs

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