

eX700 Field Series Tech-Notes Preliminary

Key features

- Patented Design
- TFT Superior Optical Performance
- Brightness 400 cd/m2
- 150° Wide Angle View
- Rugged Capacitive Multitouch
- Moisture and Water Support
- RJ45-IP67 Cat5e Shielded Plug
- Optional IP69K
- Ultra Thin Design 15mm
- 3 wireless communication
- Visualization in Pure Web Browser
- Open platform for Linux applications
- Performing HTML5-compatible browser with graphic accelerator
- JMobile runtime with OPC UA Server and Client
- Optional CODESYS V3 PLC for integrated HMI and control applications
- Optional full set of sensors (light, proximity, pressure, altitude, temperature, humidity, vibration, acceleration and inclination)



Highlights

An outstandingly beautiful and ideal field installation product, with tremendous technical flexibility backed by a company with 45 years in the industry.

The eX700 Field represents a ground breaking product to come to market: [The IIoT Panel](#)

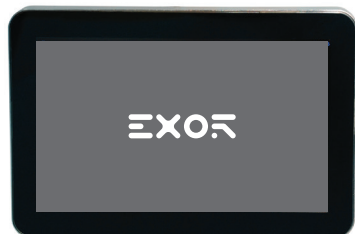
The beauty of the eX700 Field is plain to see. Thin design, a single mounting and cable, minimum border with a superior optical performance all add to the “look” of a product unique to the market.

Yet the beauty of design is not only skin deep. High-resolution display (available HD and Full HD) with multitouch PCAP touchscreen. Power-over-Ethernet (PoE) for maximum simplicity of connection using standard CAT5 wiring. Full IP protection with the use of dedicated connectors for the maximum flexibility of installation, from mounting arm to a simple M22 hole.

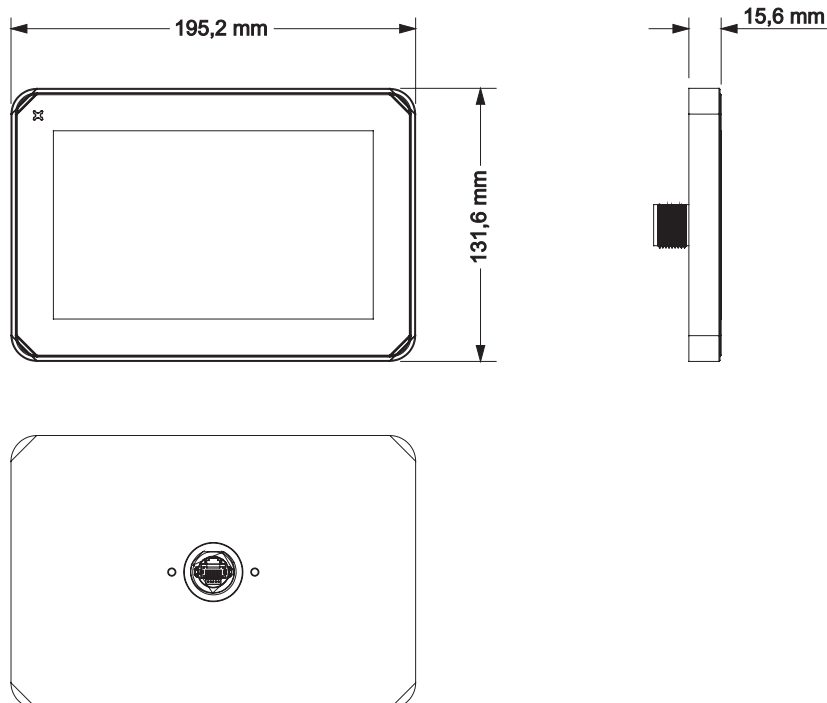
The product also includes a full set of environment and motion sensors to make this device a true IIoT edge device for Industry 4.0 applications: vibrations, temperature, light, proximity, pressure, humidity and even a camera the collection of IIoT data is made easy.

The eX700 Field product family has been optimized for use as an embedded browser or as a JMobile HMI device.

Technical Data



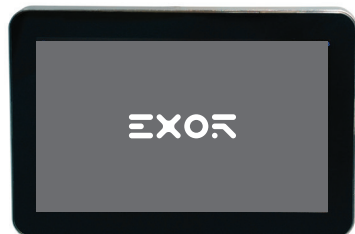
System Resources	
Display - Colors	7" TFT - 16M
Resolution	1024x600
Brightness	400 Cd/m2 typ.
Dimming	to 0%
Touchscreen	Projected capacitive - multitouch
CPU	ARM Cortex-A9 dual core - 800 MHz
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, No
Interface	
Ethernet port	10/100 PoE 802.3af/at
USB port	-
Serial port	-
SD card	-
Expansion	-
Ratings	
Power supply	802.3af/at
Current Consumption	10 W max (to be confirmed)
Input Protection	-
Battery	Yes (rechargeable)
Environment Conditions	
Operating Temp	-30° to +60°C (vertical installation)
Storage Temp	-30°C to +85°C
Operating / Storage Humidity	5-85% RH, non-condensing
Protection Class	Front: IP69K; rear: IP20 (option IP67)
Dimensions and Weights	
Faceplate LxH	195.2x131.6 mm
Cutout	
Depth D+T+T	15.6 mm
Weight	0.8 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environment



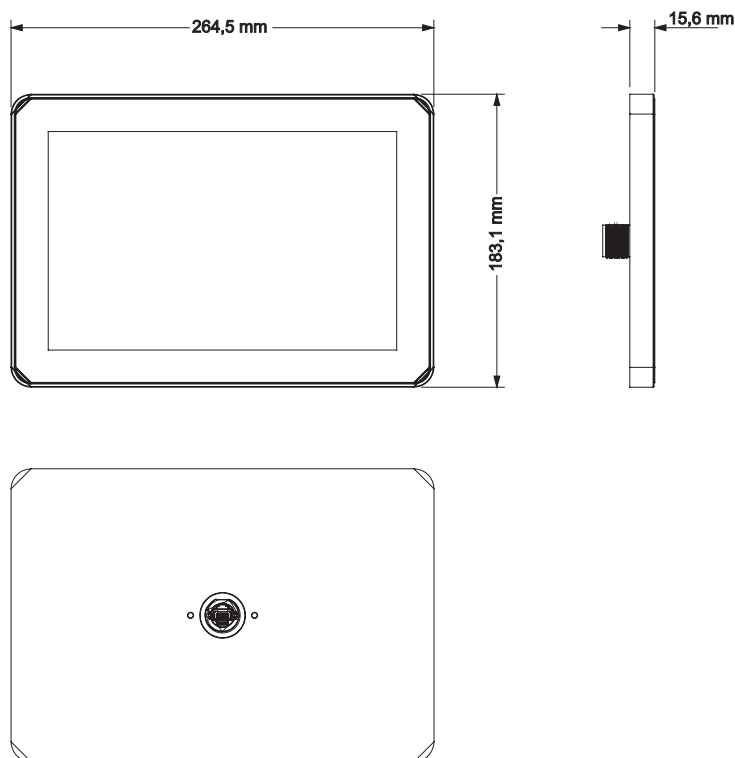
Ordering Information

Model	Part Number	Description
eX707 Field	+EXF707U5P1	Field-ready HMI 7" TFT with PCAP touchscreen, Ethernet port PoE

Technical Data



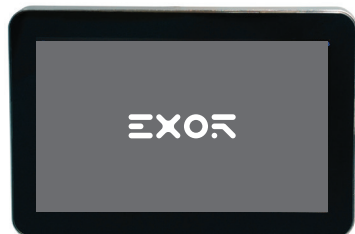
System Resources	
Display - Colors	10.1" TFT - 16M
Resolution	1280x800
Brightness	400 Cd/m2 typ.
Dimming	to 0%
Touchscreen	Projected capacitive - multitouch
CPU	ARM Cortex-A9 dual core - 800 MHz
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, No
Interface	
Ethernet port	10/100 PoE 802.3af/at
USB port	-
Serial port	-
SD card	-
Expansion	-
Ratings	
Power supply	802.3af/at
Current Consumption	15 W max (to be confirmed)
Input Protection	-
Battery	Yes (rechargeable)
Environment Conditions	
Operating Temp	-30° to +60°C (vertical installation)
Storage Temp	-30°C to +85°C
Operating / Storage Humidity	5-85% RH, non-condensing
Protection Class	Front: IP69K; rear: IP20 (option IP67)
Dimensions and Weights	
Faceplate LxH	264.5x183.1 mm
Cutout	
Depth D+T+T	15.6 mm
Weight	0.8 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environment



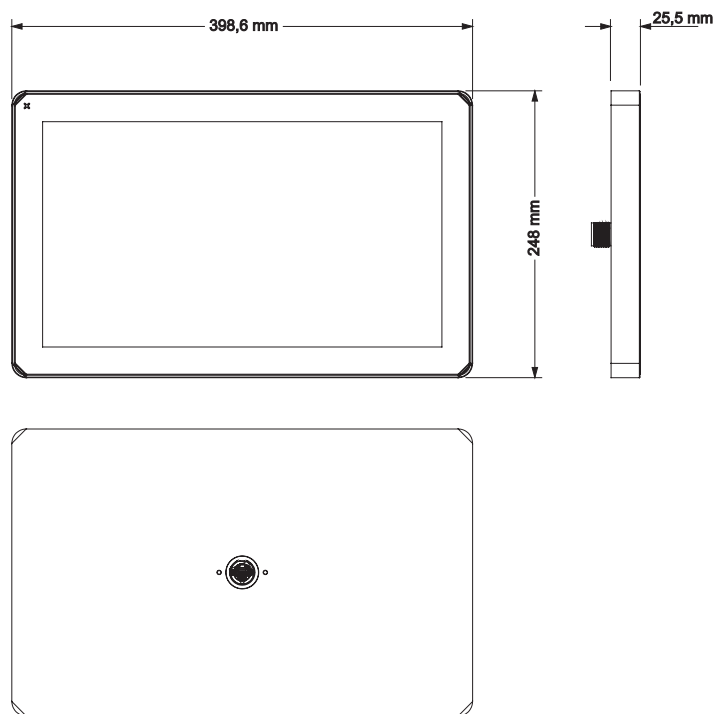
Ordering Information

Model	Part Number	Description
eX710 Field	+EXF710U5P1	Field-ready HMI 10.1" TFT with PCAP touchscreen, Ethernet port PoE

Technical Data



System Resources	
Display - Colors	15.6" TFT - 16M
Resolution	+EXF710U5P1: 1366x768 +EXF710U5P2: 1920x1080
Brightness	400 Cd/m2 typ.
Dimming	to 0%
Touchscreen	Projected capacitive - Multitouch
CPU	+EXF710U5P1: ARM Cortex-A9 dual core - 800 MHz +EXF710U5P2: ARM Cortex-A9 quad core - 800 MHz
Operating System	Linux RT
Flash	4 GB
RAM	1 GB
Real Time Clock, RTC Back-up, Buzzer	Yes, Yes, No
Interface	
Ethernet port	10/100 PoE 802.3af/at
USB port	-
Serial port	-
SD card	-
Expansion	-
Ratings	
Power supply	802.3af/at
Current Consumption	20 W max to be confirmed
Input Protection	-
Battery	Yes (rechargeable)
Environment Conditions	
Operating Temp	-30° to +60°C (vertical installation)
Storage Temp	-30°C to +85°C
Operating / Storage Humidity	5-85% RH, non-condensing
Protection Class	Front: IP69K; rear: IP20 (option IP67)
Dimensions and Weights	
Faceplate LxH	398,6x248 mm
Cutout	-
Depth D+T+T	25.5 mm
Weight	4.0 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environment



Ordering Information

Model	Part Number	Description
eX715 Field	+EXF710U5P1	Field-ready HMI 15.6" 1366x768 TFT with PCAP touchscreen, Ethernet port PoE
eX715 Field	+EXF710U5P2	Field-ready HMI 15.6" 1920x1080 TFT with PCAP touchscreen, Ethernet port PoE