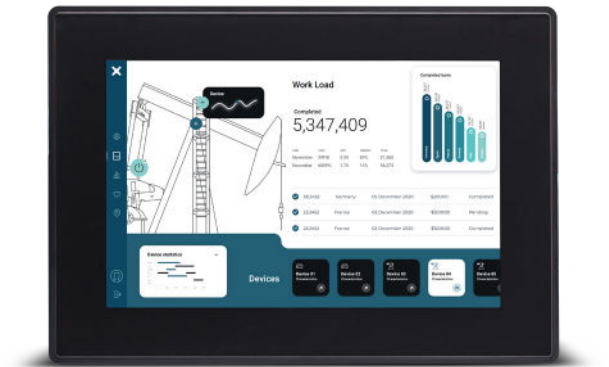


eX710MG Tech-Note

Outdoor HMI 10" capacitive touchscreen, sunlight-readable with optical bonding

- Readable in Full Sunlight
- Projected capacitive touchscreen with optical bonding. Multitouch operation
- 10.1" TFT color display
- Resolution 1280x800 pixel
- pSLC mode for higher reliability
- UL UL61010-1 and cULus: Class 1 Div 2 approvals



Highlights

eX700MG Series combine high-performance sunlight-readable display with state-of-the-art connectivity features and top performance in a great design maintaining as a design commitment the fact that the product is likely to be used in environments where the safety of operators is at risk.

EXOR has designed the product range as Industrial IoT edge devices combining a powerful controller with networking capability and outstanding communication options including client/server OPC UA. They are the ideal choice for all demanding IIoT edge applications in extreme environments such as marine and process industries.

The glass projected capacitive touchscreen and the brilliant 10 inch widescreen display with a resolution of 1280x800 are bonded to guarantee the highest optical performance and resistance in such environments.

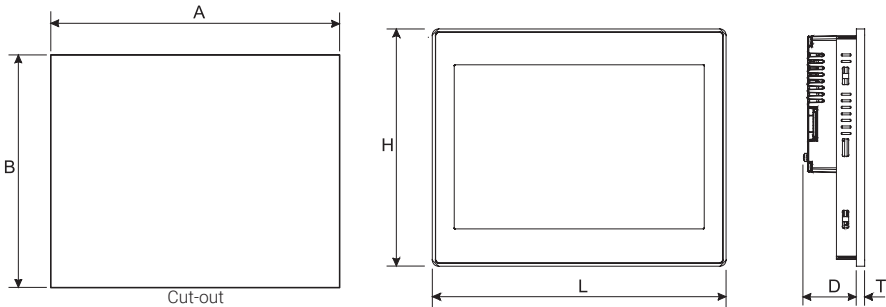
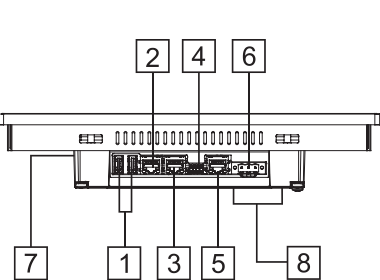
- JMobile runtime included. Requires JMobile V 4.5 or higher
- Supports Corvina secure connectivity with full network separation
- OPC UA Server and Client
- Optional CODESYS V3 runtime with choice of EtherCAT, PROFINET and Ethernet/IP

eX710MG - Technical Data



* These certifications do not apply to products partially assembled in the US. Products partially assembled in the US will have a serial number starting with AADxxxxx where the D signifies the US. If you require these certifications and buy in the US, please contact us at: Customercare.us@exorint.com

System Resources	
Display - Colors	10.1" TFT 16:9 LED - 16M
Resolution	1280x800 WXGA
Brightness	800 cd/m² typ.
Dimming	Yes
Touchscreen	Projected Capacitive, Multitouch, Optical Bonding
CPU	64-bit RISC quad core - 1.6GHz
Operating System	Linux
Flash	4 GB (eMMC pSLC)
RAM	2 GB
FRAM	64 KB
Real Time Clock, RTC Back-up	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Buzzer	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.0 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating 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
Operating / Storage Humidity	5-85% RH, non condensing
Conformal Coating	Yes, printed circuit boards
Protection Class	IP66 (front), IP20 (rear) - Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	282x197 mm (11.10x7.75")
Cutout AxB	271x186 mm (10.66x7.32")
Depth D+T	56+8 mm (2.20+0.31")
Weight	1.7 Kg
Approvals	
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
RCM	Yes
DNV *	Yes
EU RO MR *	Yes
LR *	Yes



- 1 USB ports 1 and 2

2 Ethernet port 2 (10/100 Mb)

3 Ethernet port 1 (10/100 Mb)

4 Serial port
- 5 Ethernet port 0 (10/100/1000 Mb)

6 Power supply

7 SD Card slot

8 2 Expansion slots for plugin modules

Ordering Information

Model	Part Number	Description
eX710MG	+EX710MGU5P1	Outdoor HMI 10" PCAP Touch, sunlight-readable with bonding, 3x Ethernet, JMobile runtime