

eX707G Tech-Note

Outdoor HMI 7" TFT, PCAP Touch, sunlight-readable with bonding

- · Brilliant Displays Readable in Full Sunlight
- PCAP Touchscreen
- All Metal Enclosure
- · Coated Board Protection
- · Extended operating temperature
- Optional Plug In modules for Fieldbus + Networks
- Optional CODESYS integrated PLC
- · cULus, cULus Haz. Loc.



Highlights

EXOR has taken the highly successful harsh environment eTOP500 series and updated it with the recently released eX700 series. This natural progression allows you to combine a high-performance sunlight readable display with state of the art connectivity such as OPC UA.

eX700G 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 7" widescreen display with a resolution of 800×480 are bonded to guarantee the highest optical performance and resistance in such environments.

As with all eX700 Series HMI products have been designed to run the JMobile software.

- JMobile runtime included. Requires JMobile V2.8 or higher
- Supports Corvina Cloud secure connectivity with full network separation
- OPC UA Server and Client
- Optional CODESYS V3 runtime with choice of EtherCAT, PROFINET, Ethernet/IP and POWERLINK

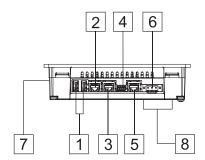
eX707G - Technical Data



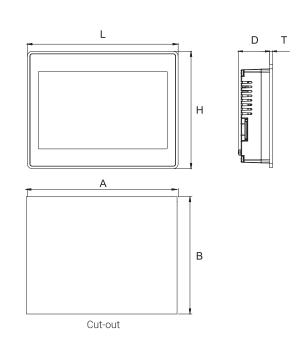




System Resources			
Display - Colors	7" TFT 16:9 LED - 16M		
Resolution	800x480, WVGA		
Brightness	600 Cd/m² typ.		
Dimming	to 0%		
Touchscreen	True Glass Projected Capacitive, Multitouch		
CPU	32-bit RISC dual core - 800 MHz		
Operating System	Linux RT		
Flash	4 GB		
RAM	1 GB		
Real Time Clock, RTC Back-up, Buzzer	Yes		
Interface			
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)		
USB port	2 (Host V2.0, max. 500 mA)		
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.		
SD card	Yes		
Expansion	2 slot for plug in modules		
Ratings			
Power supply	24 Vdc (10 to 32 Vdc)		
Current Consumption	0.7 A at 24 Vdc (max.)		
Input Protection	Electronic		
Battery	Rechargeable Lithium battery, not user-replaceable		
Environment Conditions			
	-20° to +60 °C (vertical installation) Plug-in modules and USB devices		
Operating Temperature			
. 3 .	may limit max temperature to +50 °C		
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Storage Temperature Operating / Storage Humidity Protection Class Dimensions and Weights Faceplate LxH Cutout AxB Depth D+T	may limit max temperature to +50 °C -20 °C to +70 °C 5-85% RH, non condensing IP66 (front), IP20 (rear) - Type: 12, 4X 187x147 mm (7.36x5.79") 176x136 mm (6.93x5.35") 47+8 mm (1.85+0.31")		
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- 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
eX707G	+EX707GU5P1	Outdoor HMI 7" TFT, PCAP Touch, sunlight-readable with bonding, 3x Ethernet, JMobile runtime