

eX715MG Tech-Note

Outdoor HMI 15" capacitive touchscreen, sunlight-readable with optical bonding

- Readable in Full Sunlight
- Projected capacitive touchscreen with optical bonding. Multitouch operation
- 15.6 TFT color display
- Full HD resolution 1920x1080 pixel
- Operating Temperature -30°C to +70°C



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 15 inch widescreen display with a resolution of 1920x1080 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 Cloud secure connectivity with full network separation

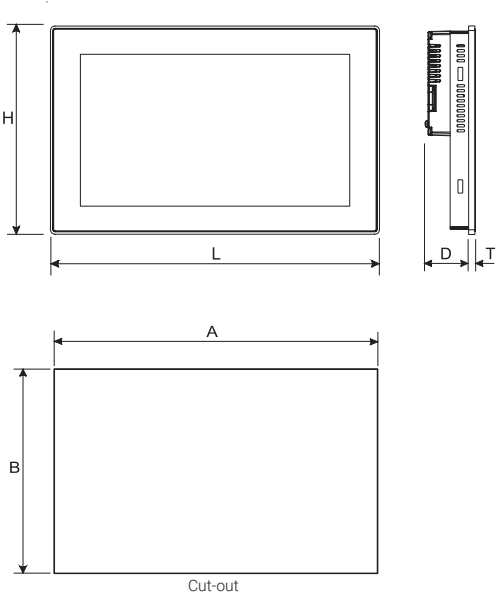
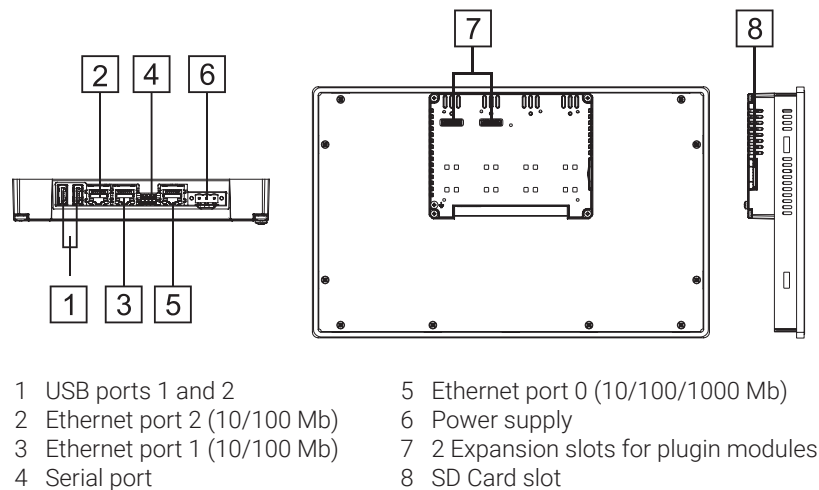
OPC UA Server and Client

Optional CODESYS V3 runtime with choice of EtherCAT, PROFINET, Ethernet/IP and POWERLINK

eX715MG - Technical Data



| System Resources | |
|------------------------------|---|
| Display - Colors | 15,6 TFT LED - 16M |
| Resolution | 1920x1080, full HD |
| Brightness | 700 cd/m ² typ. |
| Dimming | Yes |
| Touchscreen | Projected Capacitive, Multitouch, Optical Bonding |
| CPU | 64-bit RISC quad core - 1.6GHz |
| Operating System | Linux |
| Flash | 8 GB |
| 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 | 1.35 A at 24 Vdc (max.) |
| Input Protection | Electronic |
| Battery | Rechargeable Lithium battery, not user-replaceable |
| Environment Conditions | |
| Operating Temperature | -30° to +70 °C (vertical installation). Plug-in modules and USB devices may limit max temperature to +50 °C |
| Storage Temperature | -40°C to +85°C |
| Operating / Storage Humidity | 5-85% RH, non condensing |
| Protection Class | IP66 (front), IP20 (rear) - Type: 12, 4X |
| Dimensions and Weights | |
| Faceplate LxH | 422x267 mm (16.6x10.5") |
| Cutout AxB | 411x256 mm (16.18x10") |
| Depth D+T | 56+8 mm (2.20+0.31") |
| Weight | 4.1 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 |



Ordering Information

| Model | Part Number | Description |
|---------|--------------|--|
| eX715MG | +EX715MGU5P1 | Outdoor HMI 15" PCAP Touch, sunlight-readable with bonding, 3x Ethernet, JMobile runtime |