

# eX715MG | Web HMI Tech-Note

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

- Chromium based HTML5 Browser
- Easy to use browser setting application
- Readable in Full Sunlight
- Projected capacitive touchscreen with optical bonding. Multitouch operation
- 15.6 TFT color display
- Full HD resolution 1920x1080 pixel
- pSLC mode for higher reliability
- Operating Temperature -30°C to +70°C
- UL UL61010-1 and cULus: Class 1 Div 2 approvals



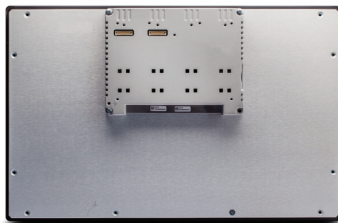
## Highlights

eX715MG Web HMI combine high-performance sunlight-readable display with state-of-the-art connectivity features and top browsing performance in a great design. It is designed to be used in harsh environments where the safety of operators is at risk.

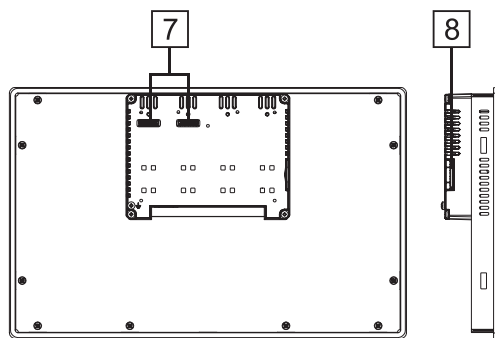
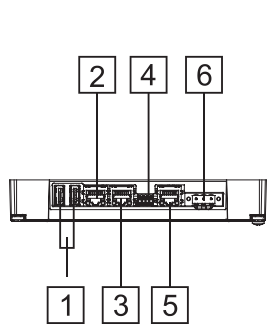
It is the ideal choice for all demanding IIoT edge applications in extreme environments such as marine and process industries where powerful and performing HTML5 web browser is needed.

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. This product includes a Chromium based HTML5 browser with easy to use browser setting facilities. Supports Corvina secure connectivity.

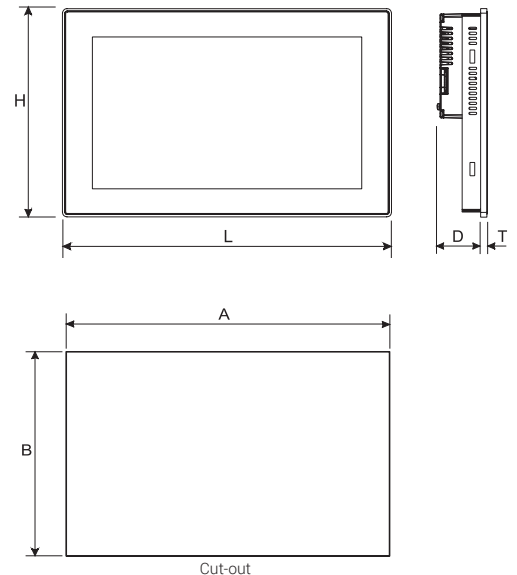
# eX715MG | Web HMI - Technical Data



| System Resources             |   |
|------------------------------|---|
| Display - Colors             | 15,6 TFT LED - 16M  |
| Resolution                   | 1920x1080, full HD  |
| Brightness                   | 700 cd/m <sup>2</sup> typ.  |
| Dimming                      | Yes   |
| Touchscreen                  | True Glass Projected Capacitive, Multitouch, Optical Bonding  |
| CPU                          | 64-bit RISC quad core - 1.6GHz  |
| Operating System             | Linux   |
| Flash                        | 4 GB (eMMC pSLC)  |
| RAM                          | 2 GB  |
| 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)<br>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  |
| Conformal Coating            | Yes, printed circuit boards   |
| 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   |



- 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 2 Expansion slots for plugin modules
- 8 SD Card slot



## Ordering Information

| Model       | Part Number  | Description  |
|-------------|--------------|--|
| eX715MG Web | +EX715MGU5PW | Outdoor HMI 15" PCAP Touch, sunlight-readable with bonding, 3x Ethernet, Web browser |