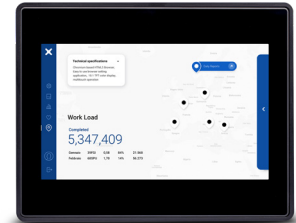# eX707M | Web HMI - Tech Note

Web HMI 7" TFT 800x480, PCAP Touch, 3x Ethernet, Web browser

- Chromium based HTML5 Browser

- Easy to use browser setting application

- 7" TFT color display, resolution 800x480 pixel

- Dimmable LED backlight

- Projected capacitive touchscreen. True glass design.

- Multitouch operation

- Operating Temperature -20°C to +60°C

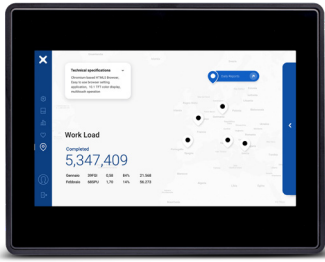- IECEx, ATEX, DNV-GL, cULus, cULus: Class 1 Div 2

Highlights

eX700M Web HMI products combine state-of-the-art connectivity features and top browsing performance in a great design. They are the ideal choice for all demanding IoT edge applications in factory, marine and building automation where powerful and performing HTML5 web browser is needed.
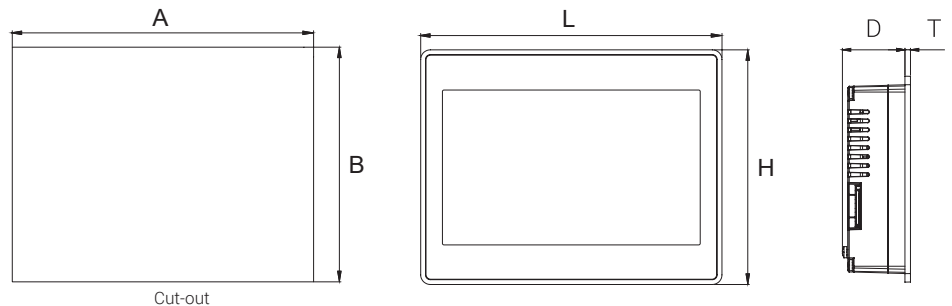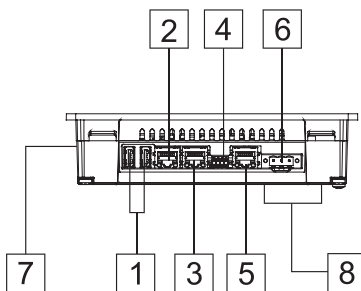
The glass projected capacitive touchscreen and the brilliant 7 inch widescreen display with resolution of 800x480 guarantee great optical performance; with the support of multitouch gesture programming they can create the most natural human interfaces.

eX700M Web HMI products include a Chromium based HTML5 browser supporting kiosk mode operation. Supports Corvina Cloud secure connectivity with full network separation.

eX707M Web HMI - Technical Data

System Resources	
Display - Colors	7" TFT 16:9 LED - 16M
Resolution	800x480 WVGA
Brightness	500 cd/m2
Dimming	Yes
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	64-bit RISC quad core - 1.6 GHz
Operating System	Linux
Flash	8 GB
RAM	2 GB
FRAM	64 KB
RT-Clock, RTCBack-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	
Operating Temperature	-20° to +60 °C (vertical installation). Plug-in 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
Protection Class	IP66 (front), IP20 (rear) - Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	187x147 mm (7.36x5.79")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	47+8 mm (1.85+0.31")
Weight	1.5 Kg
Approvals	
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
ATEX	Zone 2/22: II 3 G Ex ec IIC T5...T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C
IECEx	Zone 2/22: Ex ec IIC T5...T4 Gc, Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C
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 SD Card slot
8 2 Expansion slots for plugin modules

Ordering Information

Model	Part Number	Description
eX707M Web	+EX707MU5PW	Web HMI 7" TFT 800x480, PCAP Touchscreen, 8 GB Flash Memory, 3x Ethernet Ports, Web browser

exorint.com