eX715MH - Tech Note

15.6” TFT PCAP Touchscreen, 3x Ethernet Ports, JMobile runtime



- 15.6” TFT color display, resolution 1920x1080 pixel
- Projected capacitive touchscreen. True glass design.
- Multitouch operation
- 64 bit quad core CPU
- Operating Temperature -20°C to +60°C

Highlights

The eX715MH features a powerful 64 bit quad core CPU that ensures JMobile applications are running in their optimal environment for the highest performance.

The power of eX715MH is the best way to exploit the new graphical and security features in JMobile 4.5, in addition to the outstanding communication features such as OPC UA Client/Server and MQTT.

The glass projected capacitive touchscreen and the brilliant 15.6 widescreen display with resolution of **1920x1080 full HD**, guarantee great optical performance; with the support of multitouch gesture programming they can create the most natural human interfaces.

eX715MH is the ideal choice for the most demanding IIoT edge applications in factory, marine and building automation where powerful and performing HMI is needed for installation as close as possible to human operators.

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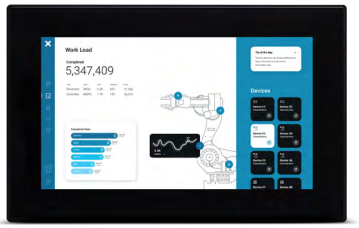
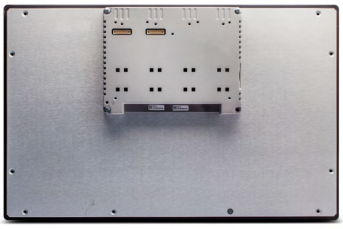
eX715MH - Technical Data

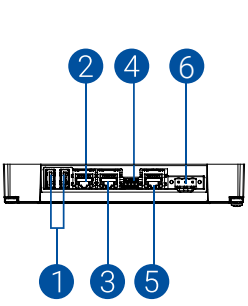


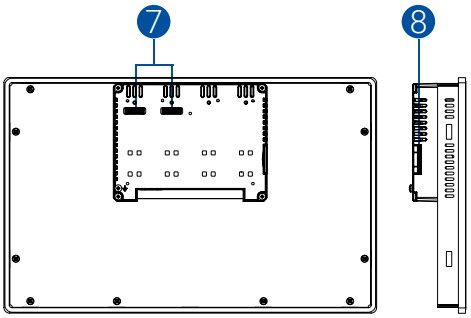


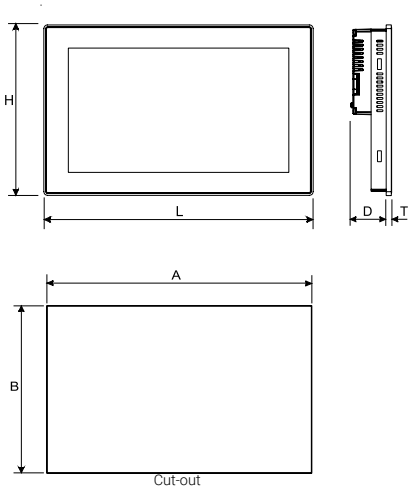


System Resources	
Display - Colors	15.6" TFT LED - 16M
Resolution	1920x1080, Full HD
Brightness	350 Cd/m² typ.
Dimming	Yes
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	64-bit RISC quad core - 1.6 GHz
Operating System	Linux
Flash	4 GB (eMMC pSLC)
RAM	2 GB
FRAM	64 KB
RT-Clock, RTCBack-up, 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	1.1A Max. Class 2
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	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)
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
RCM	Yes
DNV *	Yes
EU RO MR *	Yes

* 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







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
eX715MH	+EX715MHU5P1	HMI 15.6" TFT 1920x1080, PCAP Touch, 3x Ethernet, JMobile runtime

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