

eX710

10.1" TFT color with multitouch projected capacitive touchscreen. 3 Ethernet ports, 1 serial port, 2 USB ports. JMobile runtime.



- 10.1" TFT color display, resolution 1280x800 pixel, 16M colors. Dimmable LED backlight
- Projected capacitive touchscreen. True glass design. Multitouch operation
- 3 Ethernet ports
- SD Card slot
- 2 Plug-in modules for system expansion

Product overview

eX Series 700 HMI products combine state-of-the-art connectivity features and top performance in a great design. Products have been designed as IoT edge devices with the combination of a powerful controller with networking capability and outstanding communication options including client/server OPC UA. They are the ideal choice for all demanding IoT edge applications in factory, marine and building automation.

The glass projected capacitive touchscreen and the brilliant 10.1" widescreen display with resolution of 1280x800 guarantee great optical performance; with the support of multitouch gesture programming they can create the most natural human interfaces.

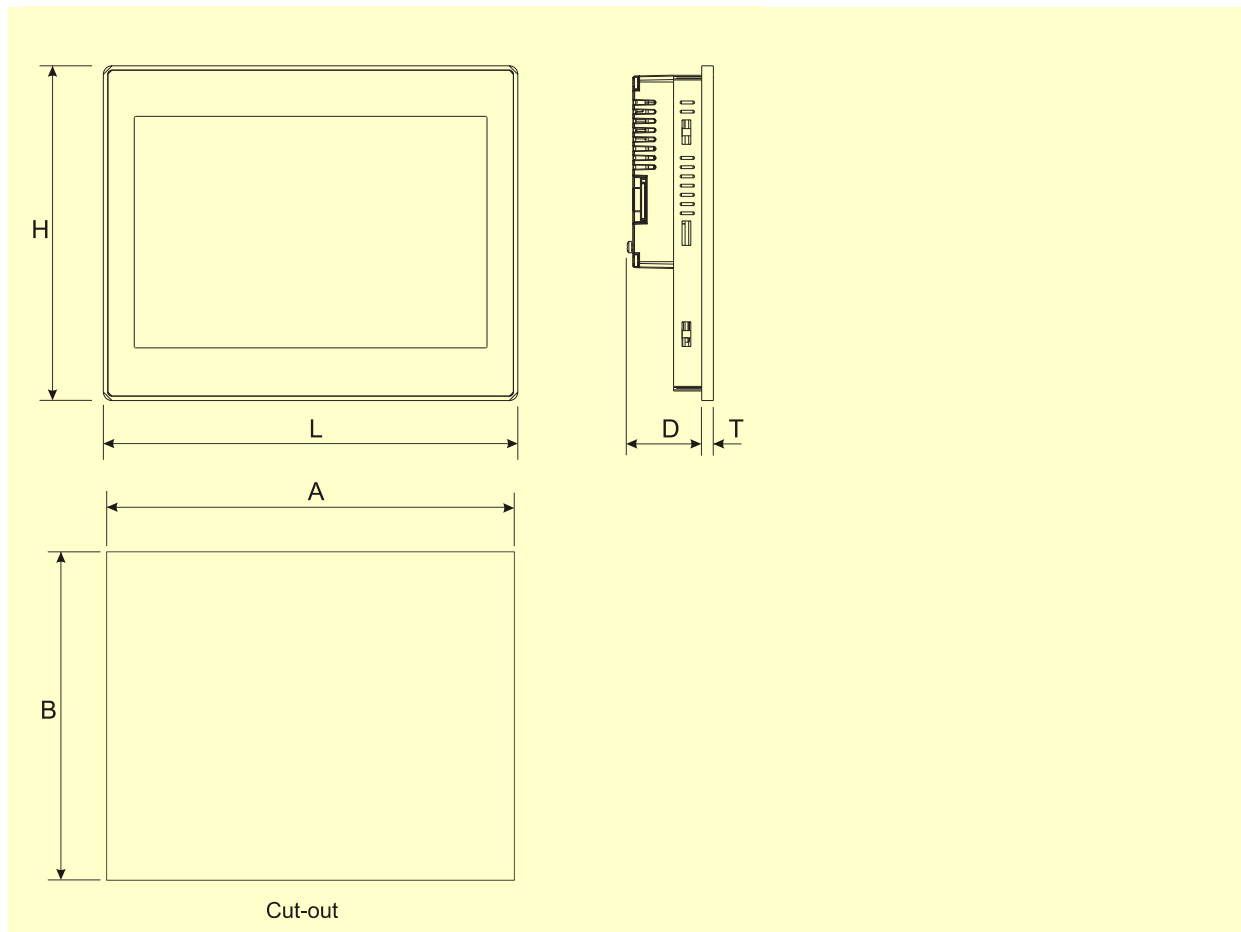
eX Series 700 HMI products have been designed to run the JMobile software.

- JMobile runtime included.
- Requires JMobile V2.5 or higher.
- Supports JMcloud secure connectivity with full network separation.
- OPC UA Server and Client.
- Optional CODESYS V3 runtime with choice of EtherCAT, Profinet, Ethernet IP and Powerlink.

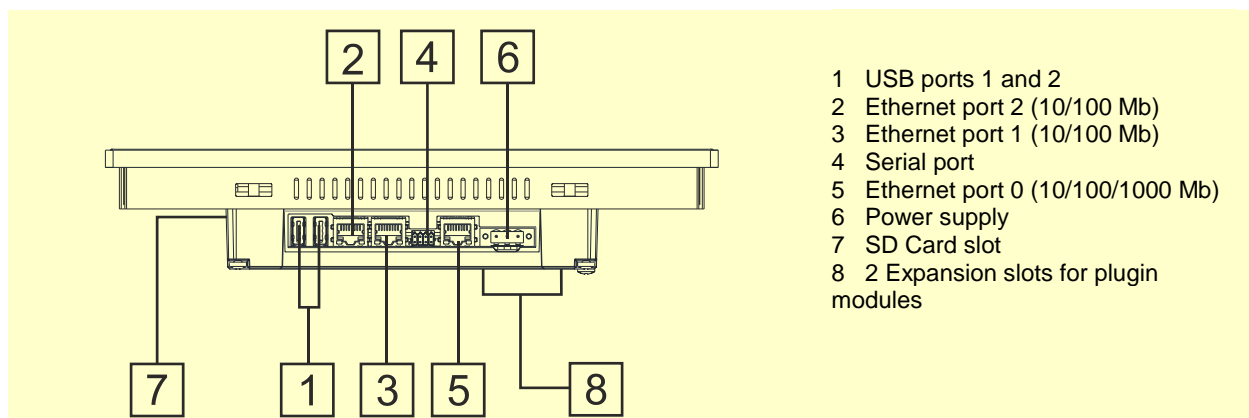
Technical Data

Display		Environment Conditions	
Type	TFT	Operating temperature	-20° to +60 °C (vertical installation)
Resolution	1280x800, WXGA		Plug-in modules and USB devices may limit max temperature to +50 °C.
Active display area	10.1" diagonal	Storage temperature	-20 to +70 °C
Colors	16M	Operating and storage humidity	5 – 85 % RH, non-condensing
Backlight	LED	Protection class	IP66 (front) IP20 (rear)
Brightness	500 Cd/m ² typ.		
Dimming	Dimmable to 0%		
System Resources		Dimensions and weight	
CPU	ARM Cortex-A9 dual core 1 GHz	Faceplate LxH	282x197 mm (11.10x7.80")
Operating System	Linux RT	Cutout AxB	271x186 mm (10.67x7.32")
Flash	4 GB	Depth D+T	56+8 mm (2.20+0.33")
RAM	1 GB	Weight	1.7 Kg
Real Time Clock	Yes		
RTC backup	Yes, rechargeable battery		
Buzzer	Yes		
Operator Interface		Approvals	
Touchscreen	Projected capacitive Multitouch, 2-points gestures	CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
LED indicators	-		
Interface			
Ethernet port 0	10/100/1000		
Ethernet port 1	10/100		
Ethernet port 2	10/100		
USB port 1	Host V2.0, max. 500 mA		
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 slots for plug-in modules		
Ratings			
Power supply voltage	24 Vdc (10 to 32 Vdc)		
Current consumption	1.0 A at 24 Vdc (max.)		
Input protection	Electronic		
Battery	Rechargeable Lithium battery, not user-replaceable		

Dimensions



Connections



Ordering Information

Model	Part Number	Description
eX710	+EX710U5P1	10.1" widescreen TFT color with multitouch projected capacitive touchscreen. 3 Ethernet ports, 1 serial port, 2 USB ports. JMobile runtime.

ptn0591

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