Suitable for landscape and portrait operation.

eX700 Series 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 12.3” widescreen display with resolution of 1920x720 guarantee great optical performance; with the support of multitouch gesture programming they can create the most natural human interfaces.

eX700 Series HMI products have been designed to run the JMobile software.

- JMobile runtime included
- Requires JMobile V4.0 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
eX712 - Technical Data

System Resources
- Display: 12.3" TFT LED - 16M
- Resolution: 1920x720, HD
- Brightness: 600 Cd/m² typ.
- Dimming: to 0%
- Touchscreen: True Glass Projected Capacitive, Multitouch
- CPU: ARM Cortex-A9 quad core 800 MHz
- Operating System: Linux RT
- Flash: 8 GB
- RAM: 2 GB
- Real Time Clock, RTC Back-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)
- SD card: Yes
- Expansion: 2 slot for plug in modules

Power
- Power supply: 24 Vdc (10 to 32 Vdc)
- Current Consumption: 1.1 A at 24 Vdc (max.)
- Input Protection: Electronic
- Battery: Rechargeable Lithium battery, not user-replaceable

Environment Conditions
- Operating Temp: -20° to +60 °C (vertical installation)
- Storage Temp: -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: 344.5x163 mm (13.56x6.41")
- Cutout AxB: 332.5x152 mm (13.09x5.94")
- Depth D+T: 49+8.5 mm
- Weight: 1.8 Kg

Approvals
- CE: Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments
- UL: cULus: UL61010-1 / UL61010-2-201
- IECEx: Zone 2/22: Ex nA IIC T5 Gc, Ex tc IIIC T95°C Dc
- ATEX: Zone 2/22: II 3 G Ex nA IIC T5 Gc, II 3 D Ex tc IIIIC T95°C Dc
- RCM: Yes

Ordering Information
- Model: eX712
- Part Number: +EX712U5P1
- Description: 12.3" widescreen TFT color with multitouch projected capacitive touchscreen. 3 Ethernet ports, 1 serial port, 2 USB ports. JMobile runtime.