

eXware 703 Tech-Note

ARM Cortex-A8 1 GHz 2 Ethernet, 1 Serial, 1 USB ports

- Compatible with JMobile runtime. Supports JMobile protocols and gateway functions. JM4web HTML5 interface for web HMI.
- OPC UA server and client
- Compatible with CODESYS PLC V3 and network stacks.
- Compatible with Corvina Cloud secure remote connectivity.
- Plug-in module for system expansion.
- 2 Ethernet ports for network separation.
- Rugged all metal design.
- Wide operating temperature range.



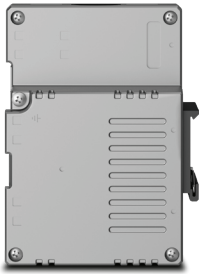
Highlights

eXware is rugged and compact controller designed as a powerful IIoT Gateway. The product can integrate JMobile HMI with HTML interface and powerful gateway functions, IEC 61131 PLC with I/O expandability, Corvina Cloud secure remote connection. It is a powerful HMI without direct visualization. It is the ideal device to start building cloud edge solutions.

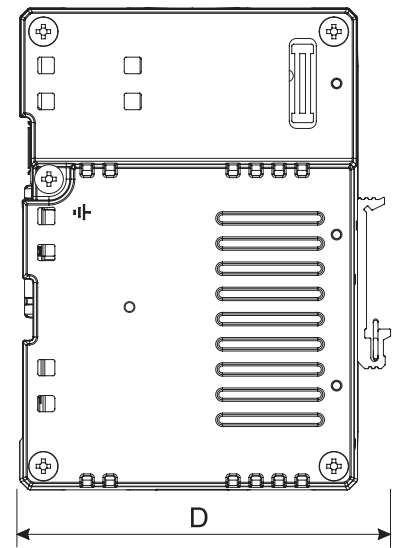
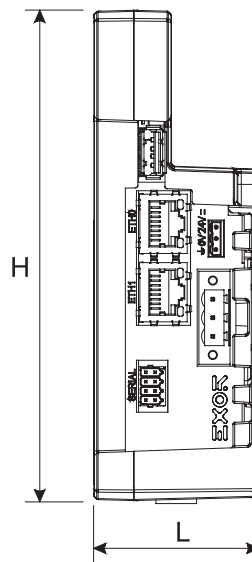
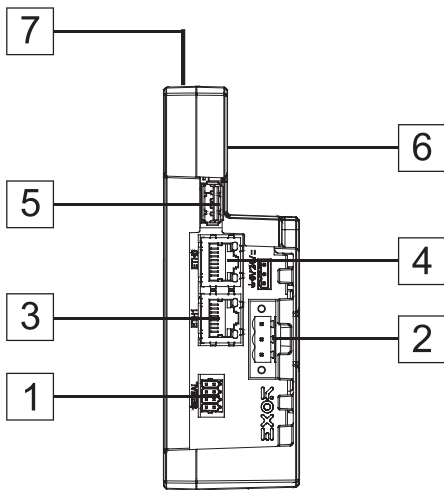
With the combination of JMobile HMI, CODESYS PLC and Corvina Cloud security, eXware offers companies the chance to start at an uncomplicated level in IoT and yet allows enormous future expansion into more complex aspects of Industry 4.0. Speaking across the vast library of JMobile protocols as well as OPC UA to higher enterprise level control, the eXware is a true Plug and Use product. Straightforward wireless connectivity using the optional PLCM09 2G/3G modem.

- Compatible with Existing Installations
- Compatible with JMobile. Includes JM4web HTML5 access
- Supports JMobile protocols including OPC UA server and client
- Compatible with CODESYS V3. Supports network stacks PROFINET, EtherNet/IP, EtherCAT, POWERLINK, Modbus, and local I/O expandability
- Ready for Corvina Cloud secure remote connectivity
- Compatible with PLCM09 2G/3G modem
- 2 Ethernet ports for network separation WAN/LAN
- System settings by web browser
- Linux-based open platform

eXware703 - Technical Data



| System Resources | |
|--------------------------------------|---|
| CPU | ARM Cortex-A8 1 GHz |
| Operating System | Linux RT |
| Flash | 4 GB |
| RAM | 512 MB |
| Real Time Clock, RTC Back-up, Buzzer | Yes |
| Interface | |
| Ethernet port | 2 (port 0 - 10/100, port 1 - 10/100) |
| USB port | 1 (Host v. 2.0, max. 500 mA) |
| Serial port | 1 (RS-232, RS-485, RS-422, software configurable) Max 2 serial ports using plug-in modules. |
| SD card | Yes |
| Expansion | 1 slot for plug-in modules |
| Ratings | |
| Power supply | 24 Vdc (10 to 32 Vdc) |
| Current Consumption | 0.35 A max. at 24 Vdc |
| Input Protection | Electronic |
| Battery | Yes |
| Environment Conditions | |
| Operating Temp | -20°C to +60°C - Plug-in modules and USB devices may limit max temperature to +50 °C. |
| Storage Temp | -20°C to +70°C |
| Operating / Storage Humidity | 5 - 85% RH, non condensing |
| Protection Class | IP20 |
| Dimensions and Weights | |
| Faceplate LxH | 45x134 mm (1.77x5.27") |
| Depth D | 102 mm (4.01") |
| Weight | 0.6 Kg |
| Mounting | DIN Rail (TS35) |
| Approvals | |
| CE | Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments Emission EN 61000-6-3, Immunity EN 61000-6-1 for installation in residential environments, EN 60945, EMC Emissions and Immunity for marine applications |
| UL | cULus: UL61010-1 / UL61010-2-201 |
| UL | cULus: Class 1 Div 2 |
| IECEX | Zone 2: Ex nA IIC T5 Gc |
| ATEX | Zone 2: II 3 G Ex nA IIC T5 Gc |
| DNV-GL | Yes |
| RCM | Yes |



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|-------------------------------|--|
| 1 Serial port | 5 USB port 1 |
| 2 Power supply | 6 Expansion slots for plug-in modules |
| 3 Ethernet port 1 (10/100 Mb) | 7 SD Card slot |
| 4 Ethernet port 0 (10/100 Mb) | |

Ordering Information

| Model | Part Number | Description |
|------------|-------------|---|
| eXware 703 | +EXW703U0P1 | IoT controller and Gateway, 2 Ethernet ports, 1 serial port, 1 USB port |