

eXware703M Tech-Note

Edge Gateway/Controller, 4 GB Flash, 2x Ethernet

- 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 secure remote connectivity
- Plug-in module for system expansion
- 2 Ethernet ports for network separation
- Flash memory with pSLC mode for higher reliability
- Rugged all metal design
- Wide operating temperature range



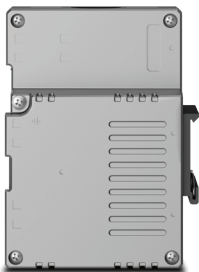
Highlights

eXware703M 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 secure remote connection. It is a powerful HMI without direct visualization. It is the ideal device to start building cloud edge solutions.

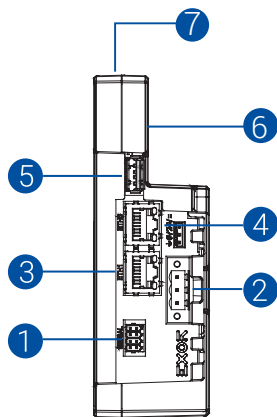
Thanks to the combination of a soft PLC for control, JMobile for HMI and data interface between machines and systems, and the Corvina platform for data collection and advanced services, eXware helps companies easily begin their journey into IoT at the Edge. At the same time, it offers the flexibility to grow step-by-step into more advanced Industry 4.0 solutions, supported by built-in cybersecurity features and robust, reliable hardware designed for industrial environments.

- 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 secure remote connectivity
- Compatible with PLCM10 connectivity module
- 2 Ethernet ports for network separation WAN/LAN
- System settings by web browser
- Linux-based open platform

eXware703M - Technical Data



System Resources	
CPU	64-bit RISC quad core - 1.6 GHz
Operating System	Linux RT
Flash	4 GB (eMMC pSLC)
RAM	2 GB
FRAM	64 KB
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	0.47A max. at 24 Vdc
Input Protection	Electronic
Battery	Yes
Environment Conditions	
Operating Temperature	-20°C to +60°C - Plug-in modules 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	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	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
ATEX	Zone 2: II 3 G Ex ec IIC T5...T4 Gc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C
IECEX	Zone 2: Ex ec IIC T5...T4 Gc -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



- 1

Serial port
- 2

Power supply
- 3

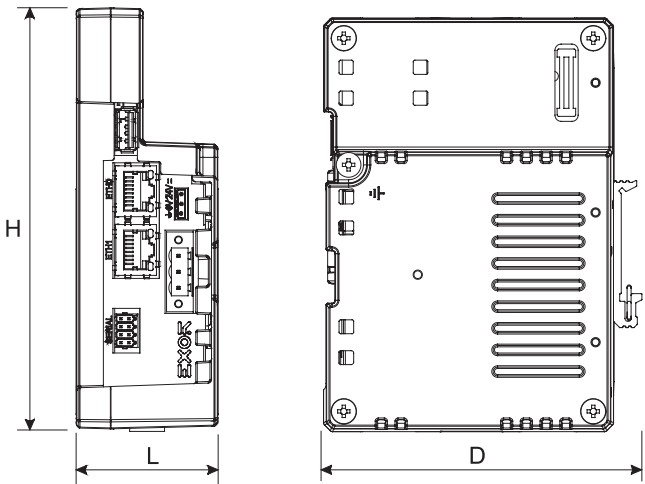
Ethernet port 1 (10/100 Mb)
- 4

Ethernet port 0 (10/100 Mb)
- 5

USB port 1
- 6

Expansion slots for plug-in modules
- 7

SD Card slot



Ordering Information

Model	Part Number	Description
eXware703M	+EXW703MU0P1	Edge Gateway/Controller, 4GB Flash memory, 2x Ethernet, JMobile runtime