

# eXware707Q Tech-Note

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## Edge Gateway/Controller, 8 GB Flash memory, 3x Ethernet

- JMobile runtime with HTML5 JM4web HMI
- JMobile data gateway functions including OPC UA server/client and all JMobile protocols available
- Secure routing with Corvina Cloud
- Supports CODESYS PLC and network stacks
- Quad core ARM CPU
- 3 Ethernet ports for network separation WAN/LAN
- Rugged all metal design
- Wide operating temperature range



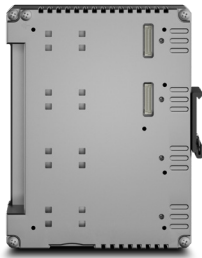
## Highlights

eXware707Q is a rugged and compact device designed as a powerful IoT Controller. The product can integrate JMobile HMI with its HTML interface and powerful gateway functions, IEC 61131 PLC with networked I/O, Corvina Cloud secure remote connection. It is the ideal device for building data-intensive cloud edge solutions for IoT thanks to its quad core ARM CPU.

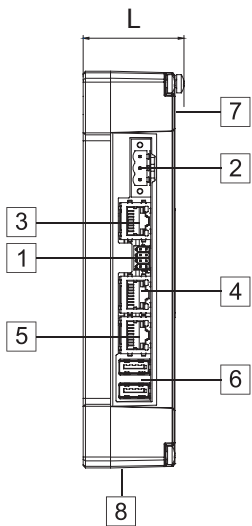
With the combination of JMobile HMI, Corvina Cloud security and CODESYS PLC, eXware offers companies the chance to start at an uncomplicated level in IoT and yet allows enormous future expansion into more complex aspects of Industry 4.0. Speaking across the vast library of JMobile protocols as well as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

- Compatible with existing installations including legacy equipment
- Compatible with CODESYS V3. Supports network stacks (EtherCAT, PROFINET, EtherNet/IP, POWERLINK) and offers local I/O expandability
- Communication security based on HTTPS and TLS
- Straightforward wireless connectivity using the optional PLCM09 plug-in modem
- Plug-in modules for system expansion
- System settings by web browser
- Can be used as a Linux-based open platform
- Ready for OPC UA pub/sub over TSN
- Ready for Corvina Cloud 2.0

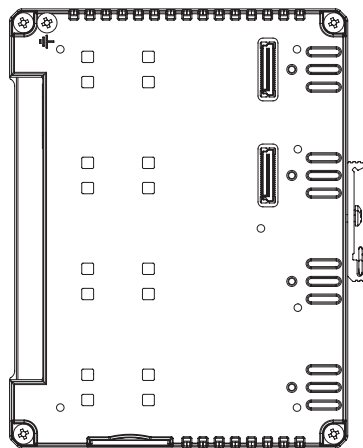
# eXware707Q - Technical Data



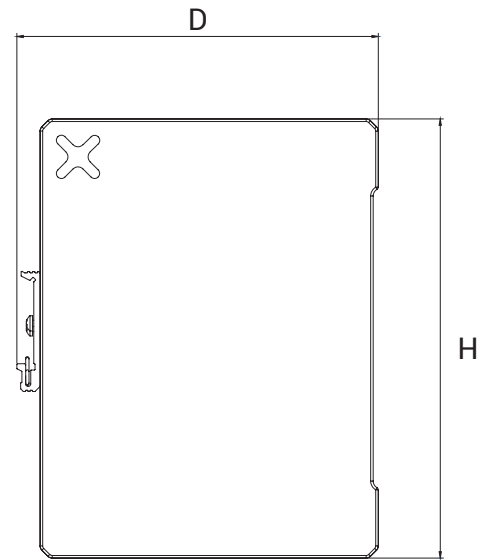
System Resources	
CPU	32-bit RISC quad core - 800 MHz
Operating System	Linux RT
Flash	8 GB
RAM	2 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host v. 2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slots for plug-in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.55 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	44 x 174 mm
Depth D	144 mm
Weight	0.7 Kg
Mounting	DIN Rail (TS35)
Approvals	
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
ATEX	Zone 2: II 3 G Ex nA IIC T5 Gc / -20°C ≤ Tamb ≤ +60°C. Limited to 0°C ≤ Tamb ≤ +50°C with PLI003
IECEX	Zone 2: Ex nA IIC T5 Gc / -20°C ≤ Tamb ≤ +60°C. Limited to 0°C ≤ Tamb ≤ +50°C with PLI003
UL	cULus: UL61010-1 / UL61010-2-201
UL	cULus: Class 1 Div 2
DNV-GL	Yes
RCM	Yes



- 1 Serial port
- 2 Power supply
- 3 Ethernet port 0 (10/100/1000 Mb)



- 4 Ethernet port 1 (10/100 Mb)
- 5 Ethernet port 2 (10/100 Mb)
- 6 USB ports 1 and 2



- 7 Expansion slots for plug-in modules
- 8 SD Card slot

## Ordering Information

Model	Part Number	Description
eXware707Q	+EXW707QU0P1	Edge Gateway/Controller, 8GB Flash memory, 3x Ethernet, JMobile runtime