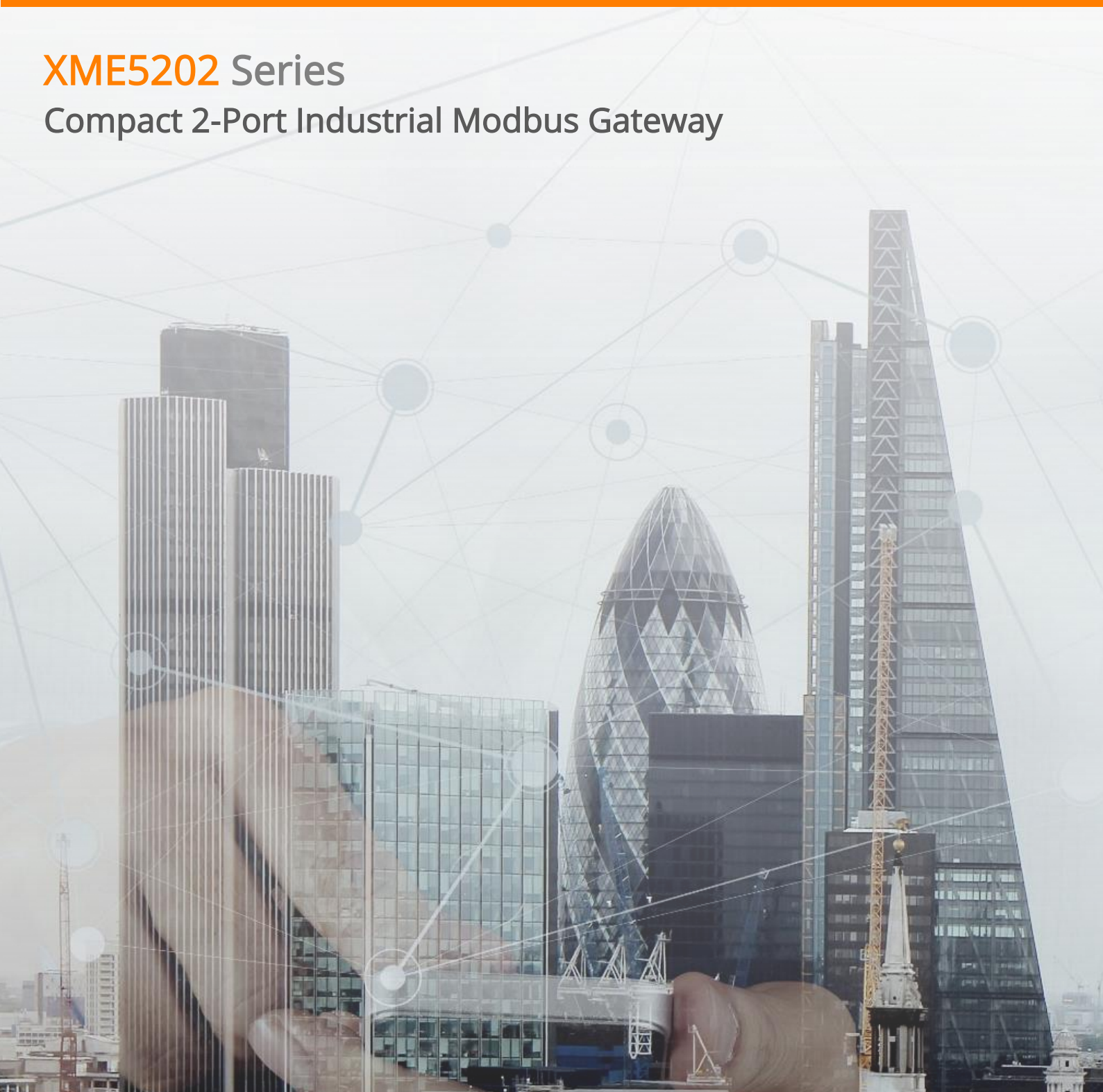


RELIABLE SECURE CONNECTIVITY

XME5202 Series

Compact 2-Port Industrial Modbus Gateway





XME5202 Series



FEATURE HIGHLIGHTS

- Software-selectable RS-232/485/422
- RJ45 Fast Ethernet port or 100Mbps SFP Slot
- Modbus TCP/RTU/ASCII
- Supports TCP server/client, UDP
- Configuration via Web, Telnet and Windows Utility
- Integrated SNMPv1/v2c/v3, HTTPS, Telnet and SSH configuration
- Upgradable firmware via Ethernet from a remote-PC
- Virtual COM and Tunneling modes
- Rugged metal casing; industrial EMC protection
- Redundant dual DC power inputs for non-stop operation
- High Quality Guaranteed



PRODUCT DESCRIPTION

The XME5202 Modbus Gateway supports the four most commonly used communication standards, RS-232, RS-485, RS-422, and Ethernet. It comes with a user-friendly configuration utility to allow quick hardware interface selection, so you can easily connect to your existing communication infrastructure. And with industrial EMC protection plus a wide operation temperature range, XME5202 is ready for every mission.

XME5202 supports the Modbus protocols and is capable of conversion between Modbus TCP, Modbus RTU, and Modbus ASCII for all supported hardware interfaces.

Besides various types of hardware communication interfaces and Modbus protocol conversion, XME5202 also supports Modbus ID routing. Therefore, it can integrate your existing and complex Modbus hardware configuration into a simple network for easy management.



NETWORK INTERFACE

Ethernet Port	1x 10/100BASE-T(X) RJ-45 or 1x100BASE-FX SFP Slot
Compliance	IEEE 802.3 for 10BASE-T IEEE 802.3u for 100BASE-T(X) and 100BASE-FX

SERIAL INTERFACE

Connector	9-Pin D-Sub9 connector(Male, -DB version) or 5-Pin Terminal block (-TB version)
Ports	2
Mode	1x RS-232(Full-function DB9)/RS-485(2 and 4 wire)/RS-422, software selectable 1x RS-232/RS-485(2 and 4 wire)/RS-422, software selectable
Baud Rate	1200~230,400 bps
Parity	None, Odd, Even, Space, Mark
Data Bits	7, 8
Stop Bits	1, 2
Flow Control	None, Xon/Xoff, RTS/CTS (RS-232 only)

Power Characteristics

Connector	3-Pin 5.08mm Lockable Terminal Block and DC Jack for redundancy
Input Voltage	3-Pin 5.08mm Terminal Block: 9-30VDC; DC Lockable Jack 5VDC
Power Consumption	<9W
Power Redundancy	Yes
Reverse Polarity Protection	Yes

Mechanicals

Dimension (W x H x D)	75 mm x 85 mm x 28 mm (without wall-mount part) XME5202-TB/XME5202-SI: 74.5 x 108.2 x27.5mm (with wall-mount part) XME5202-DB - DB: 80.3 x 108.2 x27.5mm (with wall-mount part and DB9 connector) XME5202-S-TB: 76.6 x 108.2 x 27.5mm (with wall-mount and SFP) XME5202-S-DB: 81.4 x 108.2 x 27.5mm (with wall-mount SFP and DB9)
Installation	Wall-Mount or DIN-Rail (optional kit)
Reset Button	Yes
Weight	200g

Environmental Limits

Operating Temperature	-20°C to +70°C (-4°F to +58°F)
Storage Temperature	-40°C to +85°C (-40°F to +185°F)
Ambient Relative Humidity	5 to 95% RH (non-condensing)

Software

Protocols	TCP, IPv4, UDP, DHCP Client, HTTP, HTTPS, Telnet, ARP, SNMPv1/v2cv3
Configuration	AGATEL Management Utility, Web UI, Telnet, CLI
VirtualCOM	Windows/Linux redirection software
Modbus	TCP/RTU/ASCII
TCP Client	Single destination or VirtualCOM
TCP Server	4 Connections; VirtualCOM or reverse Telnet
UDP	Up to 4 Ranges IP





REGULATORY APPROVALS

Approvals

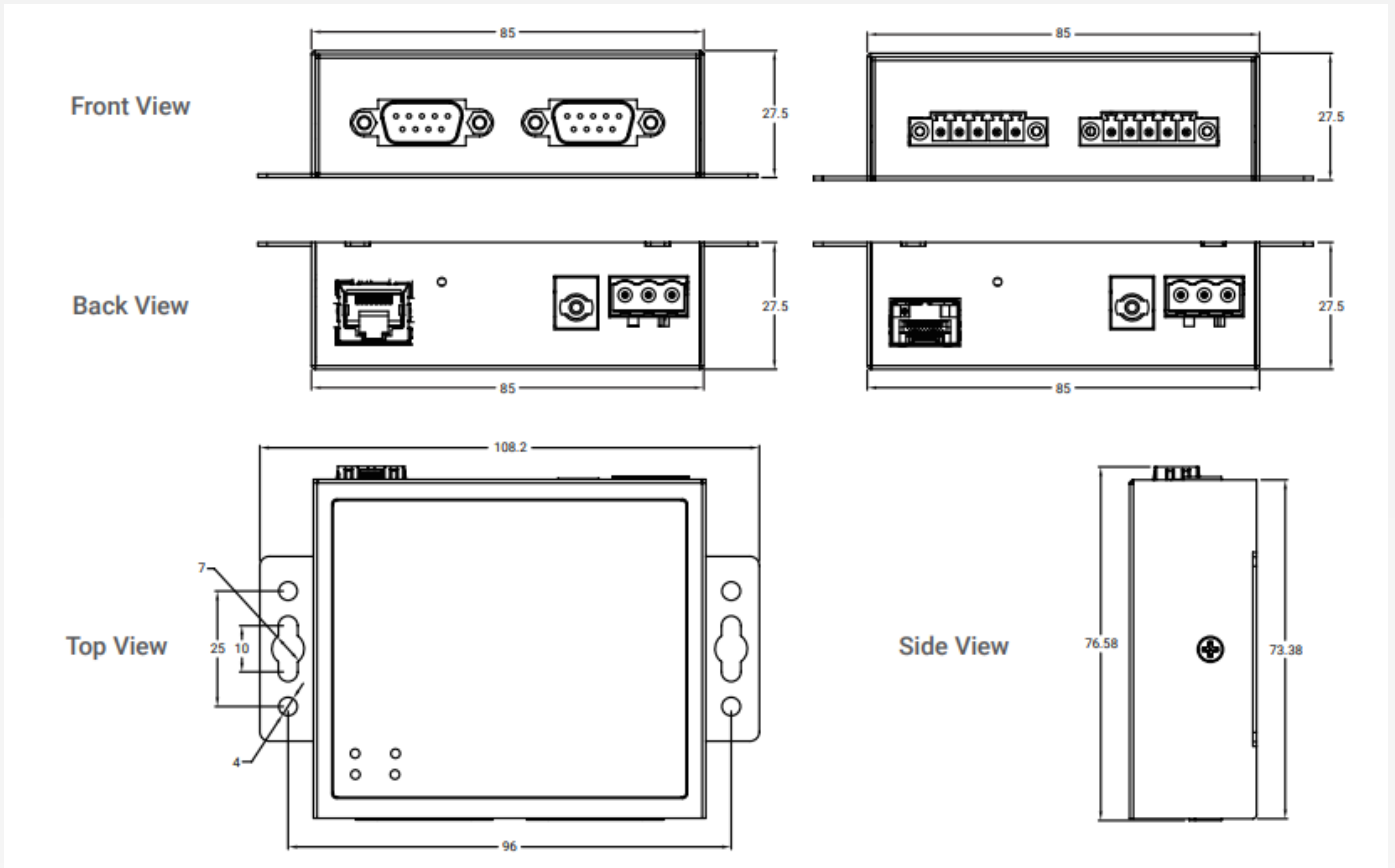
Safety	EN62368-1
EMC	FCC Part 15, Subpart B, Class A EN 55032, EN61000-6-4 EN 61000-3-2 EN 61000-3-3 EN 55024, EN61000-6-2

Test	Item	VALUE	LEVEL
IEC 61000-4-2	ESD	Contact Discharge	±4KV
		Air Discharge	±8KV
IEC 61000-4-3	RS	80-1000MHz	10(V/m)
IEC 61000-4-4	EFT	AC Power Port	±1.0KV
		DC Power Port	±0.5KV
		Signal Port	±0.5KV
IEC 61000-4-5	Surge	AC Power Port	Line-to Line±1.0KV
		AC Power Port	Line-to Earth±2.0KV
		AC Power Port	Line-to Earth±1.0KV
		Signal Port	Line-to Earth±1.0KV
IEC 61000-4-6	CS	0.15-80MHz	10 Vrms
IEC 61000-4-8	PFMF	Enclosure	30A/m
IEC 61000-4-11	DIP	AC Power Port	-
Shock	MIL-STD-810F Method 516.5		
Drop	MIL-STD-810F Method 516.5		
Vibration	MIL-STD-810F Method 514.5 C-1 & C-2		
RoHS	Yes		
MTBF	TBD		
Warranty	5 years		





Drawing





ORDERING INFORMATION

Model Name	DESCRIPTION
XME5202-DB	2-Port Entry-Level Modbus Gateway, RS-232/422/485, DB9(M)
XME5202-TB	2-Port Entry-Level Modbus Gateway, RS-232/422/485, Terminal block
XME5202-SI	2-Port Entry-Level Modbus Gateway, RS-232/422/485, 2kV Isolation, Terminal block
XME5202-S-DB	2-Port Entry-Level Modbus Gateway, RS-232/422/485, DB9(M)
XME5202-S-TB	2-Port Entry-Level Modbus Gateway, RS-232/422/485, Terminal block

Optional Accessories

Model Name	DESCRIPTION
XPA-315-12-Y-LV6-US	Y-Type power adapter, 100~240VAC input, 1.25A @12VDC output, US plug
XPA-315-12-Y-LV6-EU	Y-Type power adapter, 100~240VAC input, 1.25A @12VDC output, EU plug
XCA-DB9F-TB5	Female DB9 to Female 3.81mm TB5 Converter
XCA-DB9M-DB9F	XSC/XSE/XME500X to XSE/XME520X RS-485 D-Sub9 pin multiplexing adapter
XDK-25-P-SE	Plastic DIN Rail Kit
XTR-38-FM-2K	SFP Transceiver: 155Mbps, Multi-mode, 1310nm, 2km, -40 to +85°C, DDMI
XTR-38-FS-30K	SFP Transceiver: 155Mbps, Single-mode, 1310nm, 30km, -40 to +85°C, DDMI





WHO WE ARE

Built on 20 years of experience in designing and manufacturing industrial networking products, **Agatel** was established from the UK to serve the infrastructure and industrial sectors in EMEA markets with reliable connectivity for mission-critical systems in demanding environments.

Experienced in hardware and software design and integration, we produce high-quality yet cost-effective industrial networking and communication products with great customization capabilities and robust implementations, equipping our customers for reliable secure industrial networks.



WHAT WE OFFER

The needs of our customers' industry are different from those of corporate IT environments – industrial operating environments are tough and the impact of failure in the field can lead to business threatening situations, hence our products will have lifetimes in excess of 20 years.

From entry-level to high-performance industry-certified hardware, **Agatel** offers a full solution spectrum to suit our customers' budgets and application requirements, with features such as industrial-grade reliability, integrated security, network redundancy, and advanced performance.

Our product solution profile includes industrial Ethernet switches, network time servers, media converters, industrial wireless devices, and serial device servers, covering a wide array of mission-critical applications such as automation, security, transport, water, oil and gas, and power grids.



WHY CHOOSE US

We help our customers reduce downtime and operational costs of their industrial applications in harsh environments. Leading system integrators in EMEA rely on our niche technical expertise and product quality to increase their applications' robustness, revenues, and competitive differentiation.

Agatel ruggedized high-quality solutions are designed to deliver zero-network-downtime for harsh project demands, allowing for reliable connectivity to keep people and assets safe and secure in harsh and hazardous environments, and allowing customers to focus on growing their business.

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