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RELIABLE SECURE CONNECTIVITY

XSE5202 Series

Compact 2-Port Industrial Serial Device Server, Field-Mount



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Compact 2-Port Industrial Serial Device Server, Field-Mount

FEATURE HIGHLIGHTS

- 2 x software-selectable RS-232/485/422 port
- 1 x 10/100Mbps RJ45 Fast Ethernet port or 100Mbps SFP Slot
- Supports TCP server/client, UDP, Virtual COM and Tunneling modes
- Configuration via Web Server page, Telnet Console, and Windows Utility
- Integrated SNMPv1/v2c/v3, HTTPS, Telnet and SSH configuration
- Upgradable firmware via Ethernet from a remote-PC
- Rugged metal casing; industrial EMC protection
- Redundant dual DC power inputs for non-stop operation
- Optional DIN-Rail mounting

PRODUCT DESCRIPTION

Despite Ethernet having become the new backbone standard of Industrial Automation, Serial devices still remain highly relevant today, with numerous devices installed on sites worldwide. So with AGATEL's XSE5202 Series, you can transform any serial device into an Ethernet-capable one, allowing you to control and monitor your legacy serial devices via your LAN or WAN – or even over the internet.

With such connectivity, the amount of time required to configure or troubleshoot a serial device located on a factory floor or in a remote location is eliminated. And with such Ethernet-based connectivity, serial devices can be integrated into modern practices such as Industry 4.0 and IIoT, allowing you to extend their lifetime and avoid wholesale device upgrades in the near future.

Featuring 2 x software-selectable Serial Port and 1 x RJ45 Port or SFP Slot, the XSE5202 Series is a simple-to-install device, with easy configurations options such as Telnet, Web browser, or other Windows utilities. And using the VirtualCOM software, Windows-based applications can access serial devices by mapping the virtual com ports to the XSE5202 serial server series.

Encased in a rugged metal housing offering high EMC protection, the XSE5202 Series is ideal for industrial and manufacturing automation applications, such as PLCs, HMIs, Barcode Scanners, Data Terminals, Electronic Kanbans, Shop Floor Control Systems, and Pick-to-Light Systems.

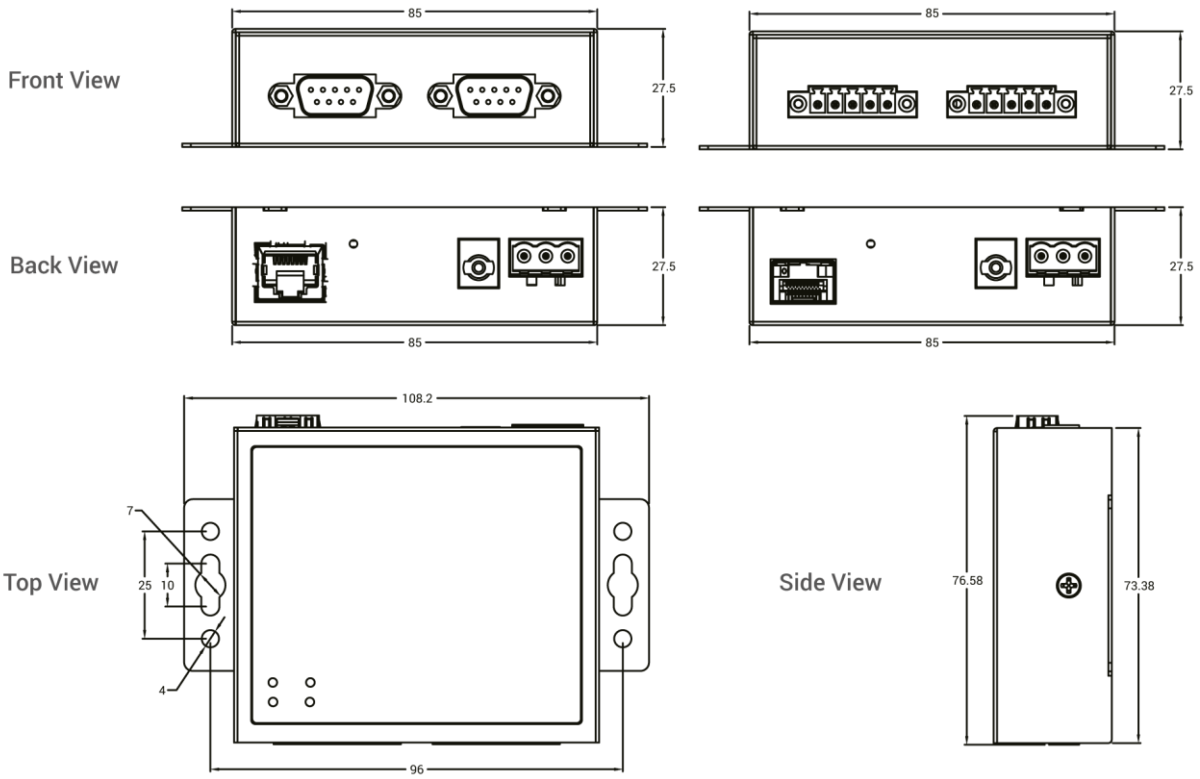
PROTOCOL SPECIFICATION

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 **Power Consumption** **Power Redundancy**	3-Pin 5.08mm Terminal Block: 9-30VDC; DC Lockable Jack 5VDC <3W Yes
Isolation	3kV (-Sis versions only)
Reverse Polarity Protection	Yes
Mechanicals	
Dimensions (W x D x H)	75 mm x 85 mm x 28 mm (without wall-mount part) XSE5202-TB / XSE5202-SI: 74.5 x 108.2 x27.5mm (with wall-mount part) XSE5202-DB: 80.3 x 108.2 x27.5mm (with wall-mount part and DB9 connector) XSE5202-S-TB: 76.6 x 108.2 x 27.5mm (with wall-mount and SFP) XSE5202-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 ~ 70°C (-4°F ~ 158°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 ~ 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
TCP Client	Single destination or VirtualCOM
TCP Server	4 Connections; VirtualCOM or reverse Telnet
UDP	Up to 4 Ranges IP

REGULATORY APPROVALS

Regulatory 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	2
		Air Discharge	±8KV	3
IEC 61000-4-3	RS	80-1000MHz	10(V/m)	3
IEC 61000-4-4	EFT	AC Power Port DC Power Port Signal Port	±1.0KV ±0.5KV ±0.5KV	3 3 3
IEC 61000-4-5	Surge	AC Power Port AC Power Port Signal Port	Line-to Line±1.0KV Line-to Earth±2.0KV Line-to Earth±1.0KV	2 2 2
IEC 61000-4-6	CS	0.15-80MHz	10 Vrms	3
IEC 61000-4-8	PFMF	Enclosure	30A/m	3
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	61.87			
Warranty	5 years			

DIMENSIONS & LAYOUT



ORDERING INFORMATION

Ordering Information			
Model Name	**LAN**	**Serial**	**Other features**
XSE5202-DB	1x 10/100 RJ45	2x D-Sub 9	-
XSE5202-TB	1x 10/100 RJ45	2x 5-pinTerminal Block	-
XSE5202-SI	1x 10/100 RJ45	2x 5-pinTerminal Block	3kV Serial Isolation
XSE5202-S-DB	1x 100Mbps SFP	2x D-Sub 9	-
XSE5202-S-TB	1x 100Mbps SFP	2x 5-pinTerminal Block	-

OPTIONAL ACCESSORIES

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
XPA-305-05-DC-LV6-US	DC jack (5.5*2.1*9.5mm);100~240VAC input, 1A @ 5VDC output, US plug, LV VI
XPA-305-05-DC-LV6-EU	DC jack (5.5*2.1*9.5mm);100~240VAC input, 1A @ 5VDC output, EU plug, LV VI
XCA-DB9-TB5	Female DB9 to Female 3.81mm TB5 Converter
XCDP-DB9(M)-DB9(F)	SE_MB52XX DB9 Pin assignment to SE_MB50XX DB9 Pin assignment
XDK-25-P-SE	Plastic DIN Rail Kit
XTR-38-FM-2K-DDMI	SFP Transceiver;155Mbps, Multi-mode;1310nm;2km;-40~85, DDMI
XTR-38-FS-30K-DDMI	SFP Transceiver;155Mbps, Single-mode;1310nm;30km;-40~85, DDMI

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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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