SE5202 Series

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



FEATURE HIGHLIGHTS

- 2 x software-selectable RS-232/422/485 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 ATOP's SE5202 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.

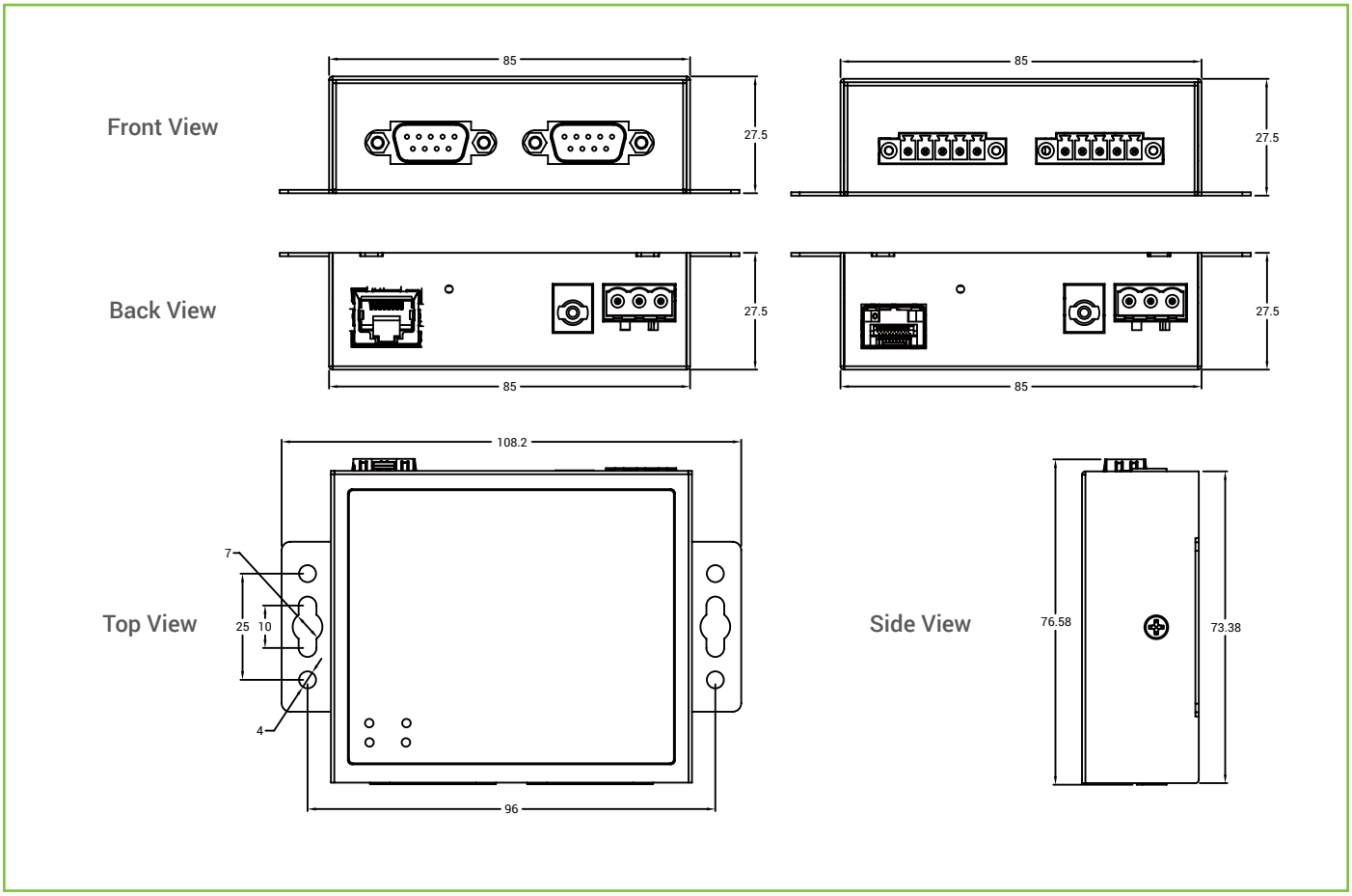
With such connectivity, the amount of time required to configure or troubleshoot a serial device located on a factory floor or in a remote location is eliminated. And with such Ethernet-based connectivity, serial devices can be integrated into modern practices such as Industry 4.0 and IIoT, allowing 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 SE5202 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 SE5202 serial server series.

Encased in a rugged metal housing offering high EMC protection, the SE5202 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.

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DIMENSIONS & LAYOUT



SPECIFICATIONS

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-422 / 2-wire RS-485, software selectable 1x RS-232 / RS-422 / 2-wire RS-485, 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) SE5202-TB/SE5202-Sis: 74.5 x 108.2 x27.5mm (with wall-mount part) SE5202-DB: 80.3 x 108.2 x27.5mm (with wall-mount part and DB9 connector) SE5202-SFP-TB: 76.6 x 108.2 x 27.5mm (with wall-mount and SFP) SE5202-SFP-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 +158°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	ATOP 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

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 Air Discharge	±4KV ±8KV	2 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	±2.0KV ±2.0KV ±1.0KV	3 3 3
IEC 61000-4-5	Surge	AC Power Port AC Power Port DC Power Port DC Power Port Signal Port	Line-to-Line±1.0KV Line-to Earth±2.0KV Line-to Line ±0.5KV Line-to Line ±0.5KV Line-to-Earth±1.0KV	3 3 2 1 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			

ORDERING INFORMATION

Ordering Information

Model Name	Part Number	LAN	Serial	Other features
SE5202-DB	1P1SE520200001G	1x 10/100 RJ45	2x D-Sub 9	-
SE5202-TB	1P1SE520200002G	1x 10/100 RJ45	2x 5-pinTerminal Block	-
SE5202-SiS	1P1SE520200003G	1x 10/100 RJ45	2x 5-pinTerminal Block	3kV Serial Isolation
SE5202-SFP-DB	1P1SE520200004G	1x 100Mbps SFP	2x D-Sub 9	-
SE5202-SFP-TB	1P1SE520200005G	1x 100Mbps SFP	2x 5-pinTerminal Block	-

Optional Accessories

Model Name	Part Number	Description
UN315-1212 (US-Y)	505001511200003G	Y-Type power adapter, 100~240VAC input, 1.25A @12VDC output, US plug
UNE315-1212 (EU-Y)	505001511200013G	Y-Type power adapter, 100~240VAC input, 1.25A @12VDC output, EU plug
UV305-0510 US-DC	505000515000005G	DC jack (5.5*2.1*9.5mm),100~240VAC input, 1A @ 5VDC output, US plug, LV VI
UVE305-0510 EU-DC	505000515000015G	DC jack (5.5*2.1*9.5mm),100~240VAC input, 1A @ 5VDC output, EU plug, LV VI
ADP-DB9(F)-TB5	59906231G	Female DB9 to Female 3.81mm TB5 Converter
ADP-DB9(M)-DB9(F)	59901411G	SE_MB52XX DB9 Pin assignment to SE_MB50XX DB9 Pin assignment
DK-25	302000000000022G	Plastic DIN Rail Kit
AXFD-1314-0523	522AXFD1314001G	SFP Transceiver, 155Mbps, Multi-mode, 1310nm, 2km, -40°C to +85°C, DDMI
AXFD-1314-0553	522AXFD1314011G	SFP Transceiver, 155Mbps, Single-mode, 1310nm, 30km, -40°C to +85°C, DDMI