SE5201 Series

Compact 1-Port Industrial Serial Device Server, Field-Mount

FEATURE HIGHLIGHTS

- 1 x software-selectable RS-232/485/422 port
- 1 x 10/100Mbps RJ45 Fast Ethernet port
- Supports TCP server/client, UDP, Virtual COM and Tunneling modes
- Configuration via Web Server page, Telnet Console, and Windows Utility
- 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 SE5201 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 1 x software-selectable Serial Port and 1 x RJ45 Port, the SE5201 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 SE5201 serial server series.

Encased in a rugged metal housing offering high EMC protection, the SE5201 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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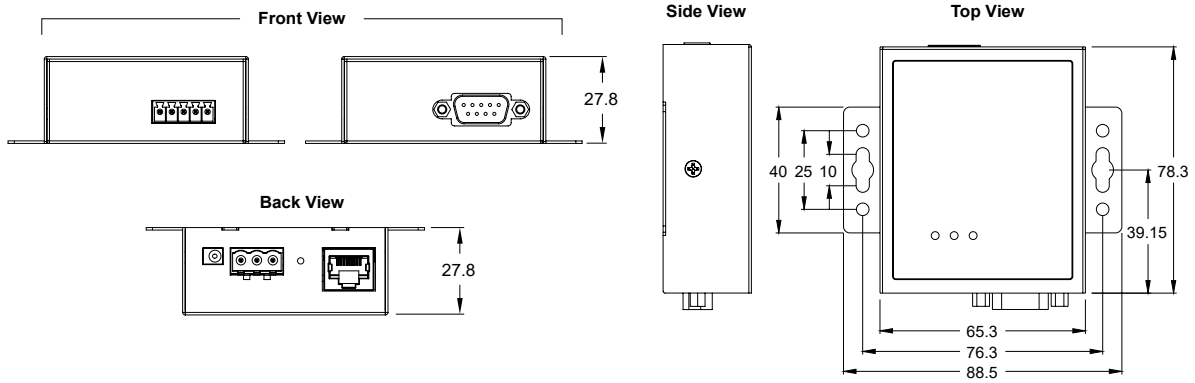
SPECIFICATIONS

Network Interface	
Ethernet Port	1x 10/100BASE-T(X) RJ-45
Compliance	IEEE 802.3 for 10BASE-T IEEE 802.3u for 100BASE-T(X)
Serial Interface	
Connector	9-Pin D-Sub9 connector(Male, -DB version) or 5-Pin Terminal block (-TB version)
Ports	1
Mode	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 Lockable Terminal Block: 9-30VDC; DC Jack 5VDC <1.5W @9VDC Yes
Reverse Polarity Protection	Yes
Mechanicals	
Dimensions(W x D x H)	65mm x 78mm x 28mm (without wall-mount part) SE5201-TB: 88.5 x 78.3 x 27.8mm (with wall-mount part) SE5201-DB: 88.5 x 84 x 27.8mm (with wall-mount part and DB9 connector)
Installation	Wall-Mount or DIN-Rail (optional kit)
Reset Button	Yes
Weight	185g
Environmental Limits	
Operating Temperature	-40°C ~ 70°C (-40°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,v2c,v3
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

DIMENSIONS & LAYOUT



REGULATORY APPROVALS

Approvals				
Safety	EN 60950-1 / 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 ±1.0KV ±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 Earth±1KV Line-to Earth±1.0KV	3 3 2 2 2
IEC 61000-4-6	CS	0.15-80MHz	10 Vrms	3
IEC 61000-4-8	PFMF	Enclosure	30A/m	4
IEC 61000-4-11	DIP	AC Power Port	1. >95%,Reduction,0.5period 2. 30%, Reduction,25 period 3. >95%,Reduction,250 period	-
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	25.29 years according to MIL-HDBK-217F, 25 degrees C			
Warranty	5 years			

ORDERING INFORMATION

Ordering Information		
Model Name	**Part Number**	**Description**
SE5201-DB	1P1SE520100001G	Industrial Serial Device Server, 10/100BASE-T(X), RS232/422/485 DB9
SE5201-TB	1P1SE520100002G	Industrial Serial Device Server, 10/100BASE-T(X), RS232/422/485 TB5

Optional Accessories		
Model Name	**Part Number**	**Description**
UN315-1212 (US-Y)	50500151120003G	Y-Type power adapter, 100~240VAC input, 1.25A @12VDC output, US plug
UNE315-1212 (EU-Y)	50500151120013G	Y-Type power adapter, 100~240VAC input, 1.25A @12VDC output, EU plug
UV305-0510(US-DC)	50500051500003G	DC jack (3.5/1.35/7.5 mm) power adapter, 100~240VAC input, 1.0A @ 5 VDC output, US plug, LV6
UVE305-0510 (EU-DC)	50500051500013G	DC jack (3.5/1.35/7.5 mm) power adapter, 100~240VAC input, 1.0A @ 5 VDC output, EU plug, LV6
UVE305-0510(UK-DC)	50500051500023G	DC jack (3.5/1.35/7.5 mm) power adapter, 100~240VAC input, 1.0A @ 5 VDC output, UK plug, LV6
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	30200000000022G	Plastic DIN Rail Kit