

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, Serial Console, 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, Serial Console, 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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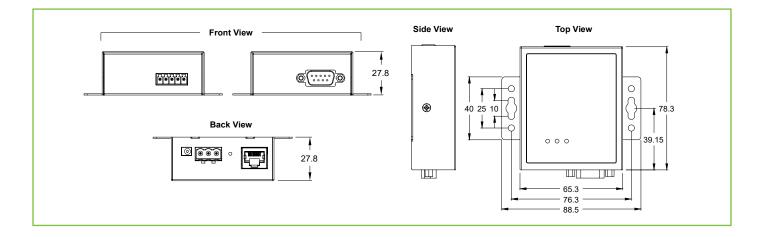
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SPECIFICATIONS

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 (RS-485 4-wire allows up to 921,600 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 <9W 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				
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			Value	Level	
IEC 61000-4-2	ESD	Contact Discharge Air Discharge	±6KV ±8KV	3 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 Signal Port	Line-to Line±1.0KV Line-to Earth±2.0KV Line-to Earth±2.0KV	3 3 3	
IEC 61000-4-6	CS	0.15-80MHz	10 Vrms	3	
IEC 61000-4-8	PFMF	Enclosure	10A/m	3	
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				

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RoHS

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ORDERING INFORMATION

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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		
DK-25	3020000000022G	Plastic DIN Rail Kit		

