



## 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.

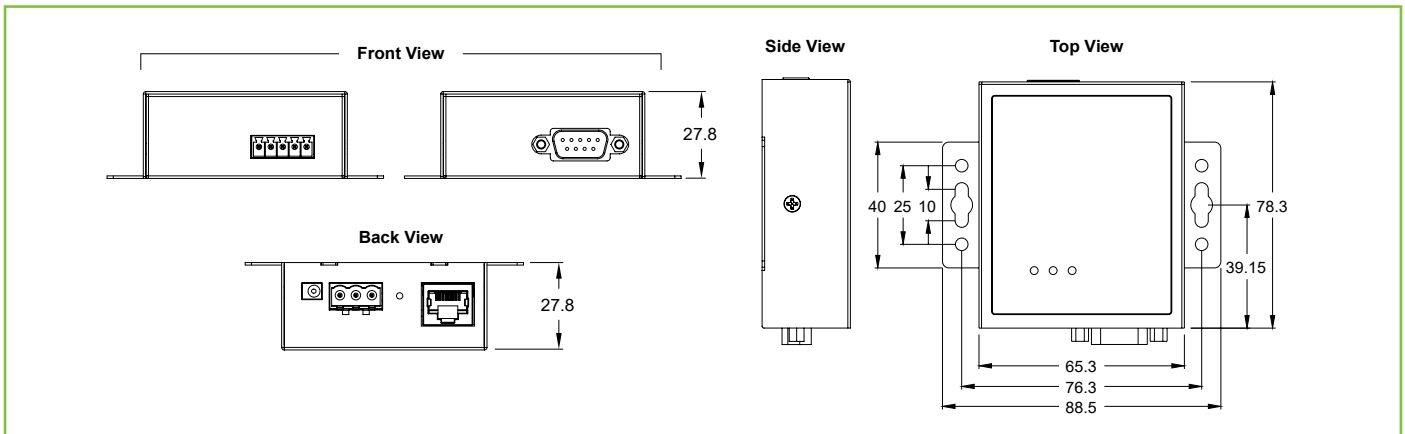
Featuring 1 x software-selectable Serial Port and 1 x RJ45 Port, the SE5201 Series is a simple-to-install device, with easy configurations options such as Telnet, Web browser, Serial Console, or other Windows utilities. And using the VirtualCOM software, Windows-based applications can access serial devices 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.

## SPECIFICATIONS

| Network Interface                                      |  |
|--|--|
| Ethernet Port  | 1x 10/100BASE-T(X) RJ-45   |
| Compliance   | IEEE 802.3 for 10BASE-T<br>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<br>Power Consumption<br>Power Redundancy | 3-Pin 5.08mm Lockable Terminal Block: 9-30VDC; DC Jack 5VDC<br><1.5W<br>Yes  |
| Reverse Polarity Protection                            | Yes  |
| Mechanicals  |  |
| Dimensions(W x D x H)                                  | 65mm x 78mm x 28mm (without wall-mount part)<br>SE5201-TB: 88.5 x 78.3 x 27.8mm (with wall-mount part)<br>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<br>EN 55032, EN61000-6-4<br>EN 61000-3-2<br>EN 61000-3-3<br>EN 55024, EN61000-6-2 |                   |  |       |
| Test           | Item  |                   | Value  | Level |
| IEC 61000-4-2  | ESD   | Contact Discharge | ±6KV   | 3     |
|                |   | Air Discharge     | ±8KV   | 3     |
| IEC 61000-4-3  | RS  | 80-1000MHz        | 10(V/m)  | 3     |
| IEC 61000-4-4  | EFT   | AC Power Port     | ±2.0KV   | 3     |
|                |   | DC Power Port     | ±1.0KV   | 3     |
|                |   | Signal Port       | ±1.0KV   | 3     |
| IEC 61000-4-5  | Surge   | AC Power Port     | Line-to Line±1.0KV   | 3     |
|                |   | AC Power Port     | Line-to Earth±2.0KV  | 3     |
|                |   | Signal Port       | Line-to Earth±2.0KV  | 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<br>2. 30%, Reduction,25 period<br>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  |
| DK-25               | 30200000000022G | Plastic DIN Rail Kit   |