



1-Port Industrial Serial Device Server

■ ■ SE5001A

RoHS-compliant

- Industrial EMC protection
- Rugged metal case with wall or DIN-Rail mount
- 10/100Mbps Fast Ethernet full duplex auto negotiation
- TCP Server/Client, UDP, Virtual COM and Tunneling modes supported
- Remotely monitor, manage, and control industrial field devices
- Configuration via Web Browser / Serial Console / Telnet Console / Windows Utility
- Remote firmware upgrade

Make Serial Devices Ready to the Network

The Industrial Serial Server SE5001A is a cost effective gateway for Ethernet (TCP/IP) and serial signal communications; allowing almost any serial device to be connected to a new or existing Ethernet network.

By encapsulating serial data and transporting it over Ethernet, SE5001A offers full-duplex and bi-directional data seamlessly between the serial port and the Ethernet network.

Easy to Use

Flexible configuration options enable this unit to be setup over Ethernet by Telnet, Web Browser, Serial Console, or our Windows Utility. Packed in a rugged metal housing for wall or DIN-Rail mount with 9~48VDC wide range power input, SE5001A is ideal for almost any industrial and manufacturing automation process.

Atop Virtual COM software provides a virtual environment for applications when accessing SE5001A through TCP.

Specially Designed for Automation Fields

In industrial and manufacturing automation fields, SE5001A is used as a field device to connect the Ethernet through TCP/IP protocol directly. It is also specially designed for conjunction with PLCs, HMIs, Barcode Scanners, Data Terminals, Electronic Kanbans, Shop Floor Control Systems, and Pick-to-Light Systems.

Specifications

Link Modes

TCP Server	4 connections, Virtual COM, or Reverse Telnet
TCP Client	Single destination or Virtual COM
UDP	Up to 4 Ranges of IPs

Serial

Interface	DB9 RS-232/422/485 software selectable (SE5001A) 3.81mm TB5 RS-232/422/485 software selectable (SE5001A-TB)
Ports	1-port
Baud Rate	1200~230Kbps
Data Bits	7,8
Stop Bits	1,2
Flow Control	None, Xon/Xoff, RTS/CTS

Hardware Characteristics

Watchdog	Hardware built-in
Ethernet Switch & PHY	1x RJ-45 IEEE802.3 10/100Mbps, Auto MDI/MDI-X

Power Characteristics

Input Voltage	9-48VDC
Input Current(9VDC)	0.30A
Power Consumption	Approx. 2.70W (max)
Reverse Polarity Protection	Yes
Connection	5.08mm 3-pin Lockable Terminal Block

Environmental Limits

Operating Temperature	0°C ~ 60°C (32° ~ 140°F)
Storage Temperature	-40° ~ 85°C (-40°~ 185°F)
Ambient Relative Humidity	5~95% RH, (non-condensing)

Mechanicals

Dimensions(W x H x D)	75mm x 85mm x 28mm
Installation	Wall mount, DIN-Rail (optional)
Reset Button	Yes

Regulatory Requirements

CE/FCC	
EMC	
EMI	EN 55022 Class A, FCC Part 15 Subpart B Class A
EMS	EN 55024

Test	Item	Value	Level	
EN61000-4-2	ESD	Contact Discharge	±8KV	4
		Air Discharge	±15KV	4
EN61000-4-3	RS	Radiated(Enclosure)	10(V/m)	3
EN61000-4-4	EFT	AC Power Port	±2.0 KV	3
		DC Power Port	±2.0 KV	3
EN61000-4-5	Surge	Signal Port	±2.0 KV	4
		AC Power Port	Line-to-Line±2.0 KV	4
		AC Power Port	Line-to-Earth±4.0 KV	4
		DC Power Port	Line-to-Line±0.5 KV	2
		DC Power Port	Line-to-Earth±1 KV	2
		DC Power Port	Line-to-Earth±2.0 KV	3
		Signal Port	Line-to-Earth±2.0 KV	3
EN61000-4-6	CS	Conducted(Enclosure)	10 V rms	3
EN61000-4-8	PFMF	(Enclosure)	10(A/m)	3
EN61000-4-11	DIP	AC Power Port	-	-

※ AC Power Port means tested through the adapter in the accessories

Shock	IEC 60068-2-27	Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6	Safety	IEC/EN 60950-1
MTBF	(TBD)	RoHS	Yes
Warranty	5 years		

Ordering Information

1P1SE5001A0001G	SE5001A S.S.	1-port Industrial Serial Device Server, D-Sub
1P1SE5001A0002G	SE5001A-TB S.S.	1-port Industrial Serial Device Server, Terminal Block

Optional Accessories

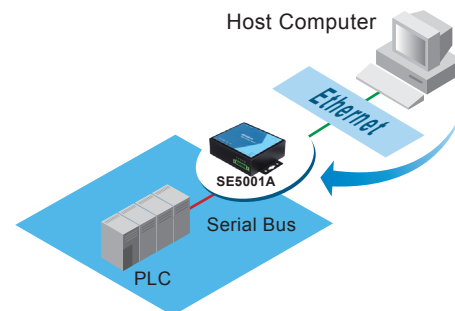
50500151120009G	US315-12(US-Y)	Y-Type (BT1-10V) power adaptor,100-240VAC input, 1.25A @ 12VDC output, US plug
50500151120019G	USE315-12(EU-Y)	Y-Type (BT1-10V) power adaptor,100-240VAC input, 1.25A @ 12VDC output, EU plug
59906231G	ADP-DB9(F)-TB5	Female DB9 to Female 3.81mm TB5 Converter
3020000000022G	DK-25	Plastic DIN-Rail Kit

Atop Technologies, Inc.

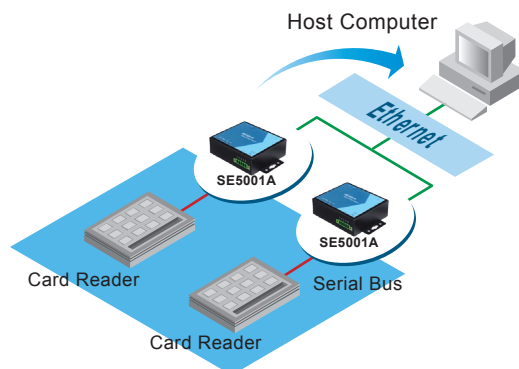
TEL : +886-3-5508137
FAX : +886-3-5508131
sales@atop.com.tw
http://www.atop.com.tw

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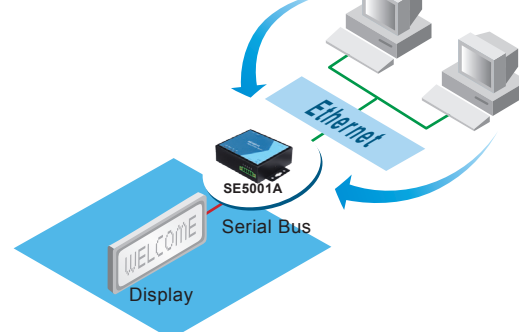
TCP Server Mode



TCP Client mode



UDP mode



Tunneling mode

