INDUSTRIAL COMMS

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.
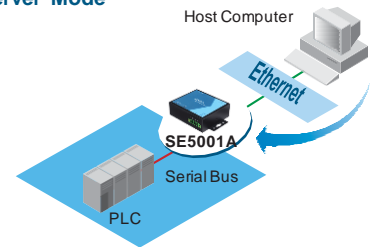
Specially Designed for Automation Fields

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.
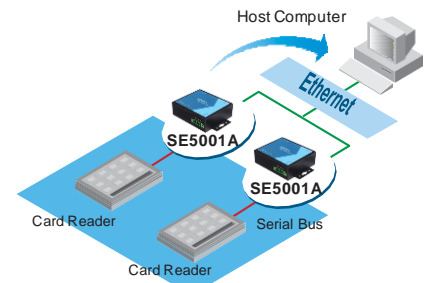
atop Technologies

1-Port Industrial Serial Device Server

Specifications

Network Interface

Ethernet	1x RJ-45 IEEE802.3 10/100Mbps, Auto MDI/MDI-X

Serial Interface

Connector	D-Sub9 RS-232/422/485 software selectable
	3.81mm TB5 RS-232/422/485 software selectable (TB models)
Ports	1-port
Baud Rate	1200~230Kbps
Data Bits	7,8
Stop Bits	1,2
Flow Control	None, Xon/Xoff, RTS/CTS

Power Characteristics

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

Mechanicals

Dimensions(W x H x D)	75mm x 85mm x 28mm
Installation	Wall mount, DIN-Rail (optional)
Reset Button	Yes
Weight	200g

Environmental Limits

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

Software

Protocols	IPv4, ICMP, TCP, UDP, DHCP Client, SNMP, HTTP, Telnet, RFC2217
Configuration	Serial Manager, Web UI, Telnet
Virtual COM	Windows / Linux redirection software

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

Regulatory Requirements

EMC	EN 55022: 2007, EN 55024: 2010, FCC Part 15 Subpart B Class A
Safety	EN 60950-1: 2011 / IEC 60950-1:2009

Test		Item	Value	Level
IEC 61000-4-2	ESD	Contact Discharge	±8KV	4
		Air Discharge	±15KV	4
IEC 61000-4-3	RS	Radiated(Enclosure)	10(V/m)	3
IEC 61000-4-4	EFT	AC Power Port	±2.0 KV	3
		DC Power Port	±2.0 KV	3
IEC 61000-4-5	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
		Signal Port	Line-to-Earth±2.0 KV	3
IEC 61000-4-6	CS	Conducted(Endosure)	10 V rms	3
IEC 61000-4-8	PFMF	(Enclosure)	10(A/m)	3
IEC 61000-4-11	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
RoHS	Yes
MTBF	(TBD)
Warranty	5 years

Ordering Information

SE5001A S.S.   1P1SE5001A0001G
1-port Industrial Serial Device Server, D-Sub

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

Optional Accessories

UN315-1212 (US-Y)   50500151120003G
Y-Type power adapter, 100~240VAC input,
1.25A @ 12VDC output, US plug, LV6

UNE315-1212 (EU-Y)   50500151120013G
Y-Type power adapter, 100~240VAC input,
1.25A @ 12VDC output, EU plug, LV6

ADP-DB9(F)-TB5   59906231G
Female DB9 to Female 3.81mm TB5 Converter
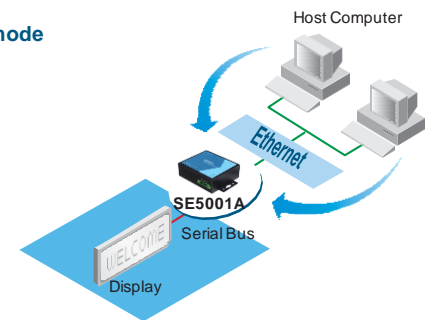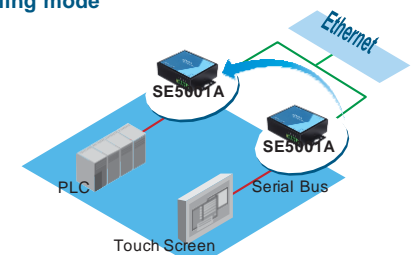
DK-25   30200000000022G
Plastic DIN-Rail Kit

TCP Server Mode

TCP Client mode

UDP mode

Tunneling mode

Design and specification are subjected to change without notice.
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