



1-Port Industrial Serial Device Server

■ ■ SE5001A

- 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

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) Power	0.30A
Consumption Reverse	Approx. 2.70W (max)
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 (32° ~ 140°F)
Storage Temperature	-40° ~ 85°C (-40°~ 185°F)
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(Enclosure)	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

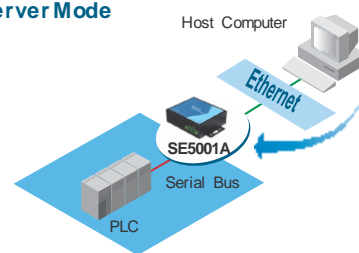
US315-12(US-Y)	50500151120009G
Y-Type (BT1-10V) power adaptor, 100-240VAC input, 1.25A @ 12VDC output, US plug	

USE315-12(EU-Y)	50500151120019G
Y-Type (BT1-10V) power adaptor, 100-240VAC input, 1.25A @ 12VDC output, EU plug	

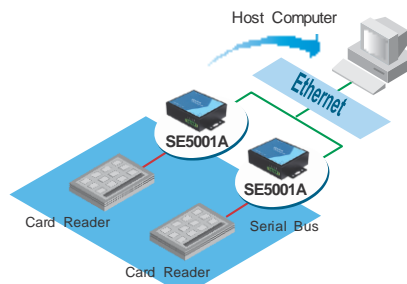
ADP-DB9(F)-TB5	59906231G
Female DB9 to Female 3.81mm TB5 Converter	

DK-25	3020000000022G
Plastic DIN-Rail Kit	

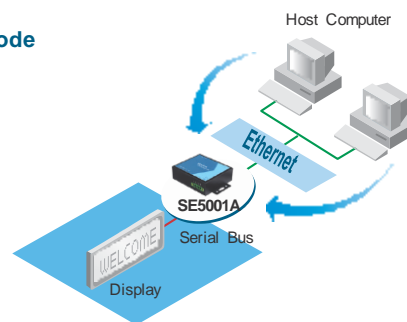
TCP Server Mode



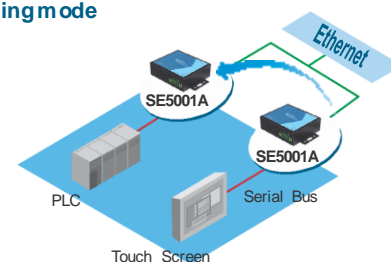
TCP Client mode



UDP mode



Tunneling mode



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