



2-Port Industrial Serial Device Server

■ ■ SE5002D

RoHS-compliant

- Industrial EMC protection
- Rugged metal case with wall or DIN-Rail mount
- 10/100Mbps Fast Ethernet over fiber optics
- 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 SE5002D 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, SE5002D 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, SE5002D is ideal for almost any industrial and manufacturing automation process.

Atop Virtual COM software provides a virtual environment for applications when accessing SE5002D through TCP.

Specially Designed for Automation Fields

In industrial and manufacturing automation fields, SE5002D 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.

Specification

Network Interface

Fiber Optics	802.3 10BASE-F / 100BASE-FX with auto negotiation
Connector	IEC 61754-4 Standard Connector (SC)

Serial Interface

Connector	D-Sub9 RS-232/422/485 software selectable 3.81mm TB5 RS-232/422/485 software selectable (TB models)
Ports	2 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)	0.35A
Power Consumption	Approx. 3.15W (max)
Reverse Polarity Protection	Yes
Connector	5.08mm 3-pin Lockable Terminal Block

Mechanicals

Dimensions(W x H x D)	47 mm x 110 mm x 90mm
Installation	DIN Rail, Wall Mount (optional)
Reset Button	Yes
Weight	400g

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

Warranty

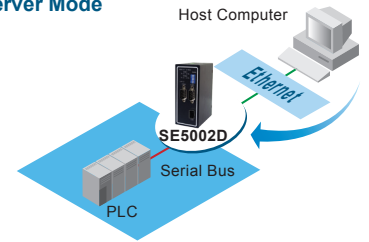
5 years

Regulatory Requirements

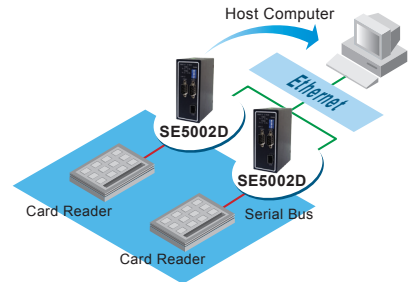
EMC EN 55022, EN 55024, FCC Part 15 Subpart B Class A

Test	Item	Value	Level
IEC 61000-4-2	ESD	Contact Discharge	±8KV
		Air Discharge	±15KV
	ESD (SFP Modules)	Contact Discharge	±6KV
		Air Discharge	±8KV
IEC 61000-4-3	RS	Radiated(Enclosure)	10(V/m)
IEC 61000-4-4	EFT	AC Power Port	±2.0 KV
		DC Power Port	±2.0 KV
		Signal Port	±1.0 KV
IEC 61000-4-5	Surge	AC Power Port	Line-to-Line±2.0 KV
		AC Power Port	Line-to-Earth±4.0 KV
		DC Power Port	Line-to-Line±0.5 KV
		DC Power Port	Line-to-Earth±1 KV
		Signal Port	Line-to-Earth±2.0 KV
IEC 61000-4-6	CS	Conducted(Enclosure)	10 V rms
IEC 61000-4-8	PFMF	(Enclosure)	10(A/m)
IEC 61000-4-11	DIP	AC Power Port	-
Shock	IEC 60068-2-27		
Freefall	IEC 60068-2-32		
Vibration	IEC 60068-2-6		
Safety	IEC/EN 60950-1		
RoHS	Yes		
MTBF	(TBD)		

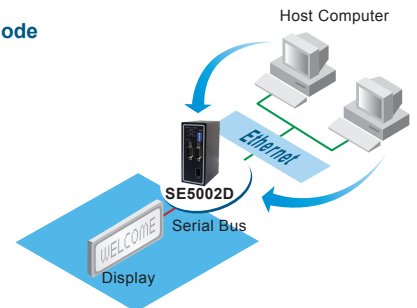
TCP Server Mode



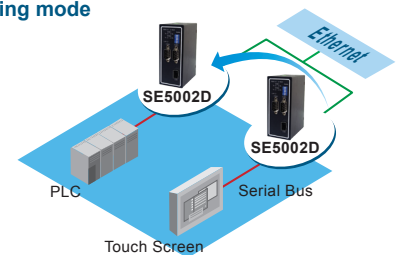
TCP Client mode



UDP mode



Tunneling mode



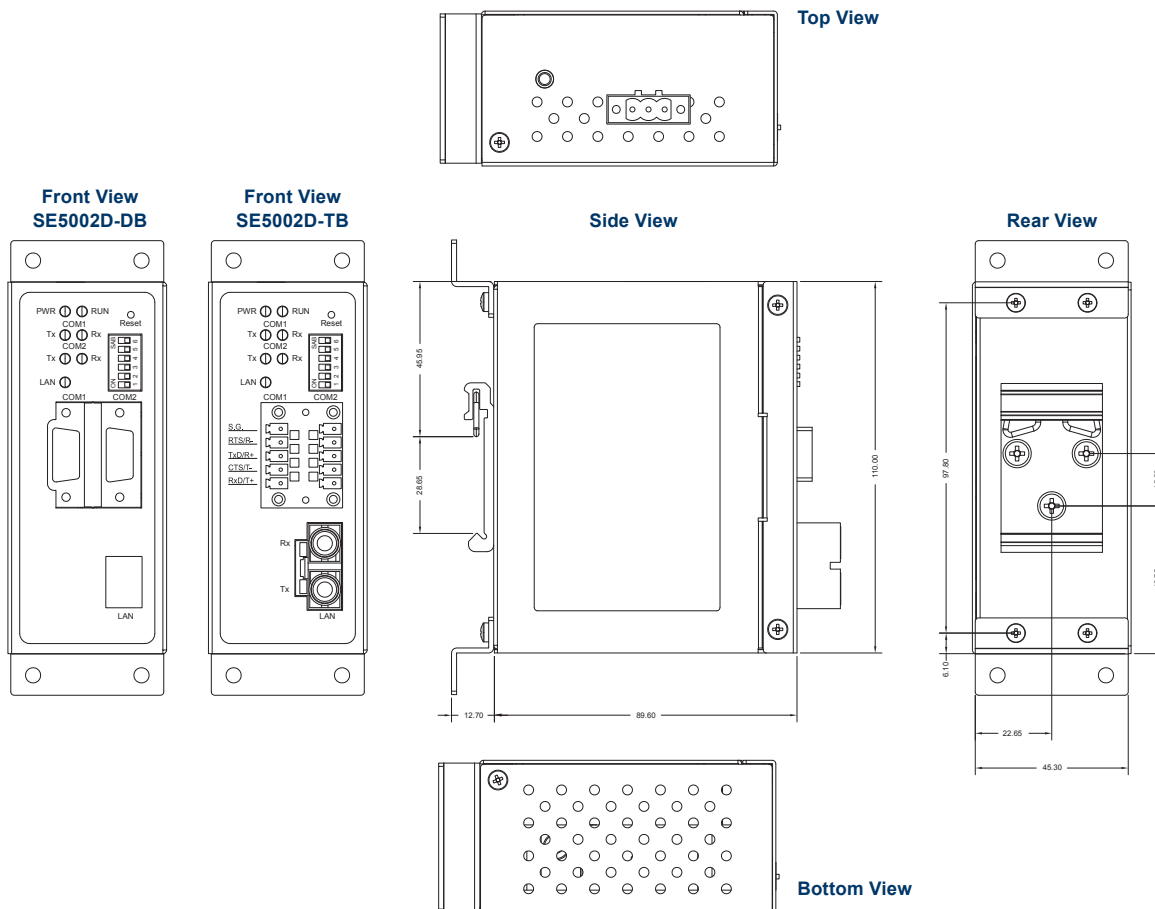
Ordering Information

SE5002D-Fm	P/N:1P1SE5002DFM01G
2-port Industrial Serial Device Server, DB9, Multimode fiber optics	
SE5002D-Fm-TB	P/N:1P1SE5002DFM02G
2-port Industrial Serial Device Server, TB59, Multimode fiber optics	
SE5002D-Fs	P/N:1P1SE5002DFS01G
2-port Industrial Serial Device Server, DB9, Single mode fiber optics	
SE5002D-Fs-TB	P/N:1P1SE5002DFS02G
2-port Industrial Serial Device Server, TB5, Single fiber optics	
SE5002D-SFP	P/N:1P1SE5002DSFP1G
2-port Industrial Serial Device Server, DB9, SFP	
SE5002D-SFP-TB	P/N:1P1SE5002DSFP2G
2-port Industrial Serial Device Server, DB9, SFP	

Optional Accessories

US315-12 (US-Y) Power Adapter	P/N:50500151120009G
Y-Type (5.08 mm) power adaptor,100-240VAC input, 1.25A @ 12VDC output, US plug	
USE315-12 (EU-Y) Power Adapter	P/N:50500151120019G
Y-Type (5.08 mm) power adaptor,100-240VAC input, 1.25A @ 12VDC output, EU plug	
ADP-DB9(F)-TB5	P/N:59906231G
Female DB9 to Female 3.81 TB5 Converter	
WMK-454-Black	P/N:7010000000043G
Black Aluminum Wall Mount Kit	
LM38-A3S-TI-N	P/N:50708051G
SFP Transceiver, 155Mbps, 1310nmLED, Multi-mode, 2km, 3.3V, -40°C ~ 85°C	
LS38-A3S-TI-N	P/N:50708041G
SFP Transceiver, 155Mbps, 1310nmFP, Single-mode, 30km, 3.3V, -40°C ~ 85°C	

Mechanical



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Design and specification are subjected to change without notice.

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DM_SE5002D_E : v1-120425