



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

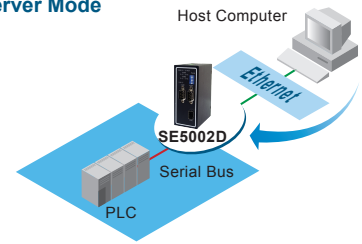
In industrial and manufacturing automation fields, SE5002D is used as a field device to connect the Ethernet through TCP/IP protocol directly. It is also specially designed for conjunction with PLCs, HMIs, Barcode Scanners, Data Terminals, Electronic Kanbans, Shop Floor Control Systems, and Pick-to-Light Systems.

2-Port Industrial Serial Device Server

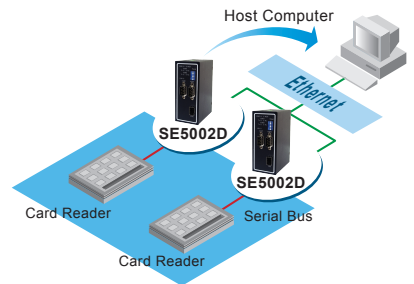


Specification				
Network Interface				
Fiber Optics	802.3 10BASE-F / 100BASE-FX with auto negotiation			
Connector	IEC 61754-4 Standard Connector (SC)			
Serial Interface				
Connector	D-Sub9 RS-232/422/485 software selectable 3.81mm TB5 RS-232/422/485 software selectable (TB models)			
Ports	2 Port			
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)	0.45A			
Power Consumption	4.05Watts 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	Device Management Utility, 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	4
		Air Discharge	±15KV	4
	ESD (SFP Modules)	Contact Discharge	±6KV	3
		Air Discharge	±8KV	3
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
		Signal Port	±1.0 KV	3
IEC 61000-4-5	Surge	AC Power Port	Line-to-Line±2.0 KV	3
		AC Power Port	Line-to-Earth±4.0 KV	3
		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	-	-
Shock	IEC 60068-2-27			
Freefall	IEC 60068-2-32			
Vibration	IEC 60068-2-6			
Safety	IEC/EN 60950-1			
RoHS	Yes			
MTBF	(TBD)			

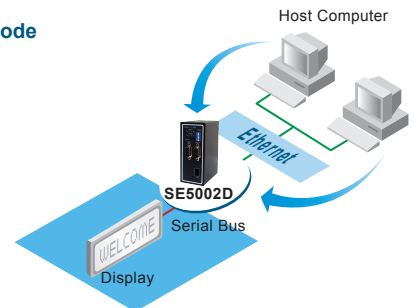
TCP Server Mode



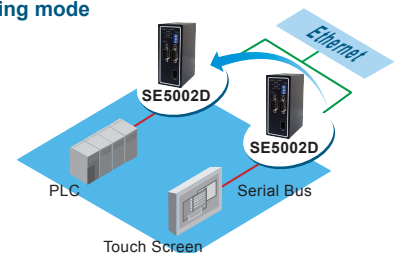
TCP Client mode



UDP mode



Tunneling mode



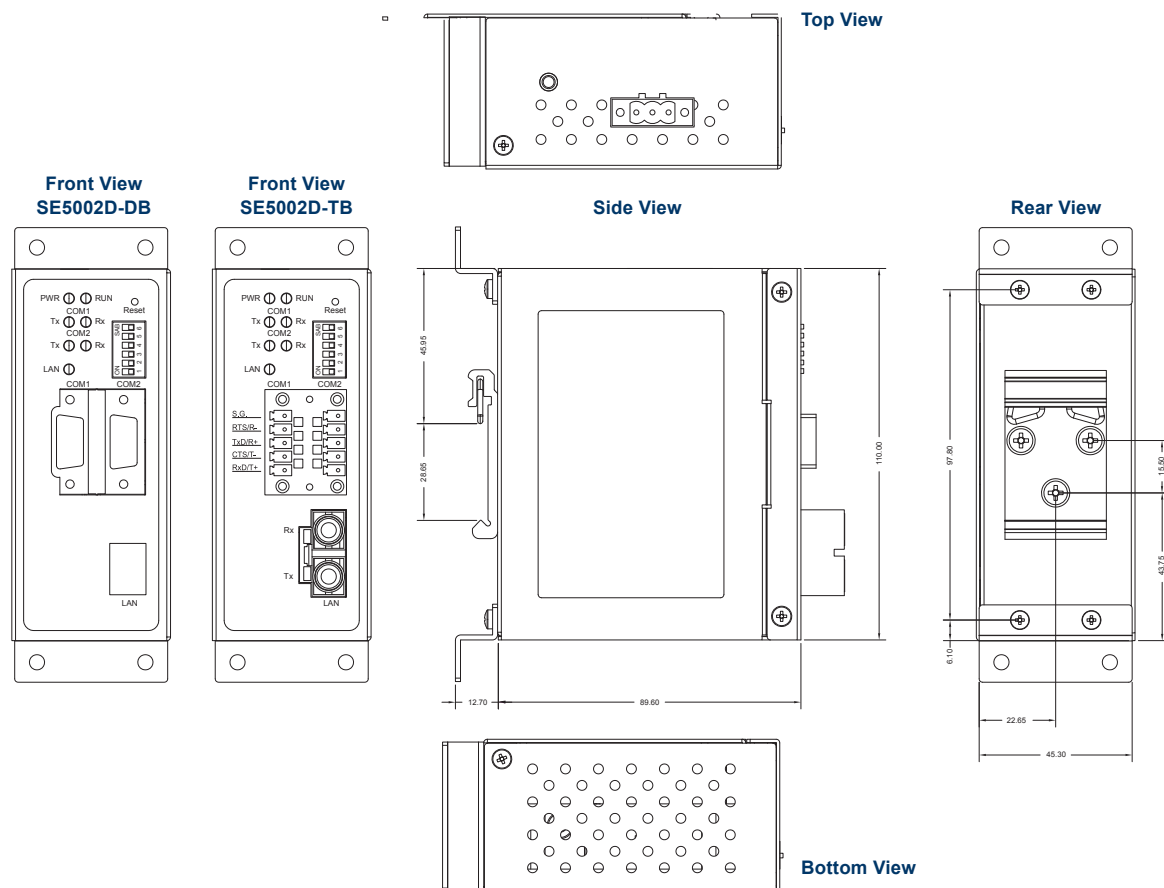
Ordering Information

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, TB5, 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 mode 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, TB5, SFP	
SE5002D	P/N:1P1SE5002D0003G
2-port Industrial Serial Device Server, DB9, RJ45	
SE5002D-TB	P/N:1P1SE5002DTB01G
2-port Industrial Serial Device Server, TB5, RJ45	

Optional Accessories

UN315-1212 (US-Y) Power Adapter	P/N:50500151120003G
Y-Type power adapter, 100~240VAC input, 1.25A @ 12VDC output, US plug, LV6	
UNE315-1212 (EU-Y) Power Adapter	P/N:50500151120013G
Y-Type power adapter, 100~240VAC input, 1.25A @ 12VDC output, EU plug, LV6	
ADP-DB9(F)-TB5	P/N:59906231G
Female DB9 to Female 3.81 TB5 Converter	
WMK-454-Black	P/N:70100000000043G
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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DM_SE5002D_E : v2-140520