



Industrial Networking Solutions

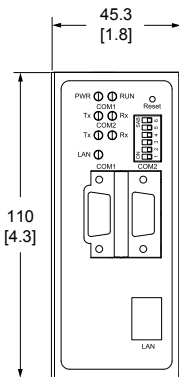
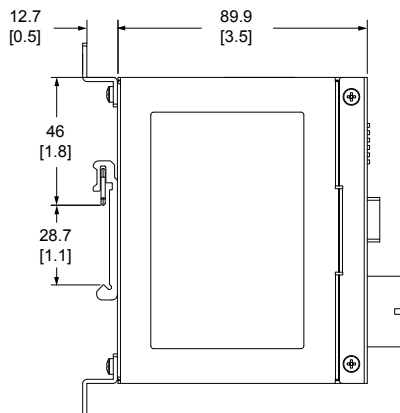
Serial Device Servers



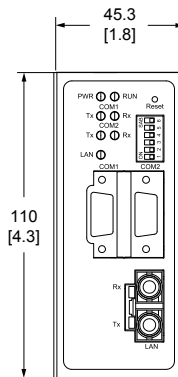
Entry-Level Serial Device Servers | DIN-Rail/Wall Mount | Metal Housing | IP30 Rating



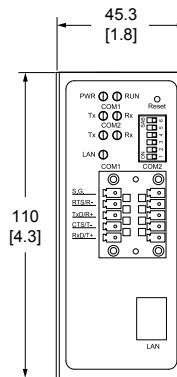
Industrial EMC Serial Servers						
Part Number [MFG #]	RS-232 RS-422 RS-485 TB5	RS-232 RS-422 RS-485 DB9	10/100 RJ45 Ports	10/100 Fiber Ports	100 SFP Slots	Features
E45SS-2-DB9-RJ45 [SE5002D]	N/A	2	1	N/A	N/A	Industrial EMC Protection
E45SS-2-TB5-RJ45 [SE5002D-TB]	2	N/A	1	N/A	N/A	
E45SS-2-DB9-FM [SE5002D-FM]	N/A	2	N/A	1 (Multi)	N/A	
E45SS-2-DB9-FS [SE5002D-FS]	N/A	2	N/A	1 (Single)	N/A	
E45SS-2-TB5-FM [SE5002D-FM-TB]	2	N/A	N/A	1 (Multi)	N/A	
E45SS-2-TB5-FS [SE5002D-FS-TB]	2	N/A	N/A	1 (Single)	N/A	
E45SS-2-DB9-SFP [SE5002D-SFP]	N/A	2	N/A	N/A	1	
E45SS-2-TB5-SFP [SE5002D-SFP-TB]	2	N/A	N/A	N/A	1	



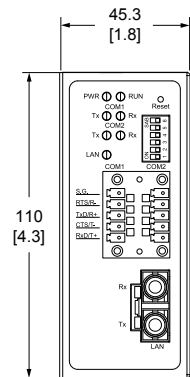
E45SS-2-DB9-RJ45
E45SS-2-DB9-SFP



E45SS-2-DB9-FM
E45SS-2-DB9-FS



E45SS-2-TB5-RJ45
E45SS-2-TB5-SFP



E45SS-2-TB5-FM
E45SS-2-TB5-FS

Feature Highlights:

- 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



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Specifications & Approvals



Entry-Level Serial Device Servers | DIN-Rail/Wall Mount | Metal Housing | IP30 Rating

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
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 Approvals				
Safety	IEC/EN 60950-1			
EMC	EN 55022: 2007, EN 55024: 2010, FCC Part 15 Subpart B Class A			
EMS Test	Item		Value	Level
IEC 61000-4-2	ESD	Contact Discharge Air Discharge	±8KV ±15KV	4 4
	ESD (SFP Modules)	Contact Discharge Air Discharge	±6KV ±8KV	3 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
IEC 61000-4-5	Surge	Signal Port	±1.0 KV	3
		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
IEC 61000-4-6	CS	Signal Port	Line-to-Earth±2.0 KV	3
		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			
Drop	IEC 60068-2-32			
Vibration	IEC 60068-2-6			
RoHS	Yes			
Warranty	5 Years			