



Industrial Networking Solutions

Serial Device Servers

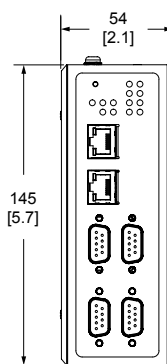
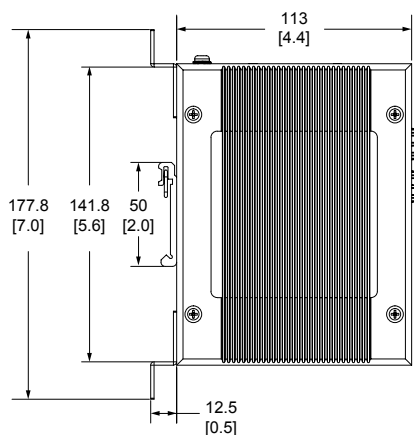


Industrial Serial Device Servers | DIN-Rail/Wall Mount | Metal Housing | IP30 Rating

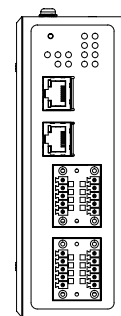


Industrial Serial Device Servers						
Part Number [MFG #]	RS-232 RS-422 RS-485 TB5	RS-232 RS-422 RS-485 DB9	10/100 RJ45 Ports	1000 SFP Slots	Isolation	Features
E45SS-4DB9-2RJ45 [SE5904D-4P-DB]	N/A	4	2	N/A	N/A	Industrial EMC Protection
E45SS-4TB5-2RJ45 [SE5904D-4P-TB]	4	N/A	2	N/A	N/A	
E45SS-4TB5-2RJ45-IS [SE5904D-4P-SIS]	4	N/A	2	N/A	3 KV	
E45SS-4DB9-2POE [SE5904D-4P-POE-DB]	N/A	4	2 with PoE	N/A	N/A	
E45SS-4TB5-2POE [SE5904D-4P-POE-TB]	4	N/A	2 with PoE	N/A	N/A	
E45SS-4TB5-2POE-IS [SE5904D-4P-POE-SIS]	4	N/A	2 with PoE	N/A	3 KV	
E45SS-4M-4DB9-2SFP [SE5904D-4P-G-DB-SFP]	N/A	4	N/A	2	N/A	
E45SS-4M-4TB5-2SFP [SE5904D-4P-G-TB-SFP]	4	N/A	N/A	2	N/A	
E45SS-4M-4TB5-2SFP-IS [SE5904D-4P-G-SIS-SFP]	4	N/A	N/A	2	3 KV	

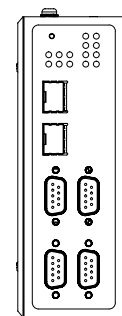
SDK version and SDK-Node-RED version are available, please consult the factory. See Appendix (Page 152) for Block Diagram.



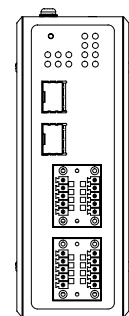
RJ45 DB9 Type



RJ45 TB5 Type



SFP DB9 Type



SFP TB5 Type

Feature Highlights:

- Industrial EMC protection, wide temperature operation, -40°C~85°C
- Rugged metal case with wall or DIN-Rail mount
- 2 Fast-Ethernet ports or SFP Gigabit slots
- 4 Software-selectable RS-232/RS-485/RS-422 serial ports, up to 921kbps
- Isolated Redundant 12~48 VDC Power Inputs or powered (PoE models) through through the Ethernet cable (802.3af)
- 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



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Specifications & Approvals



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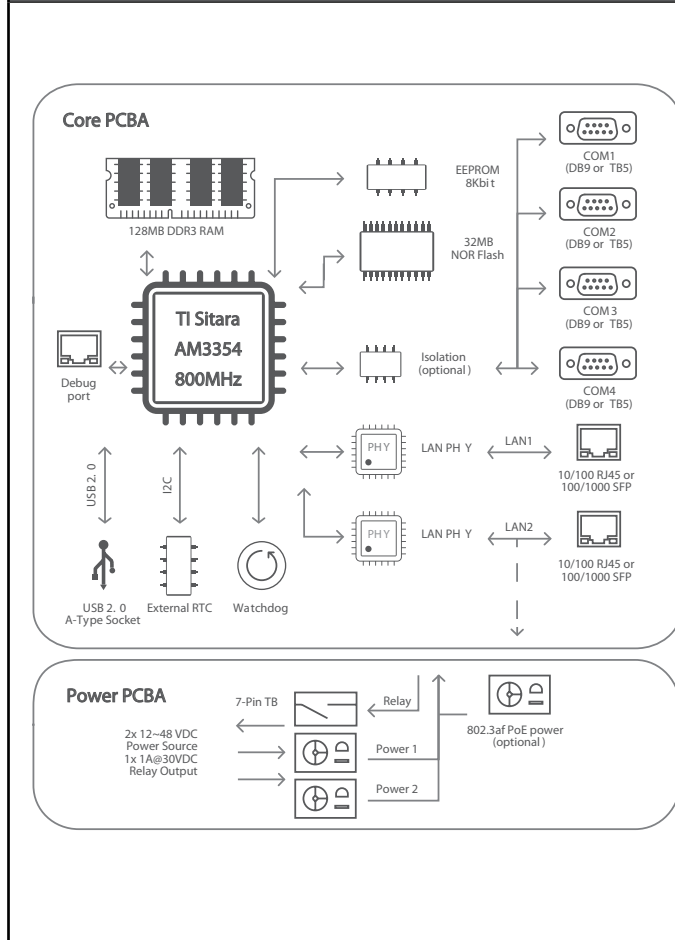
Network Interface	
Speed	IEEE 802.3 10BaseT IEEE 802.3u 100BaseT(X) IEEE 802.3z for 1000Base-X
PoE standard supported	IEEE 802.3 af
LAN Mode	Dual Subnets or Network Redundancy
Connector ports	2x 10/100BASE-T(X) RJ-45 or 2x 1000 Base-X SFP Slots (SFP version)
USB Interface	
Speed	USB 2.0
Connector	USB A Type x 1
Link Mode	
TCP Server	4 Connections; VirtualCOM or reverse Telnet
TCP Client	Single destination or VirtualCOM
UDP	Up to 4 Ranges IP
Power Management	
Input Voltage	Dual 12 - 48VDC (non-POE Models); or through Ethernet Cable (POE versions)
Input Current (@ 12VDC)	0.65 A
Power Consumption	Approximately 6 W (Max)
Connector	7-Pin 5.08mm Lockable Terminal Block
Power Redundancy	Yes
Reverse Polarity Protection	Yes
Relay Output	1A @ 30 VDC (normal open)
Physical Characteristics	
Reset Button	Yes
Environment Limits	
Operating	-40°C~85°C (-40°F~185°F)
Storage	-40°C~85°C (-40°F~185°F)
Humidity	5%~95%, 55°C (Non-condensing)
Software	
Protocols	IPv4, ICMP, TCP, UDP, DHCP Client, SNMPv1,v2c,v3, HTTP, Telnet, RFC2217
Configuration	Atop Management Utility, Web UI, Telnet
VirtualCOM	Windows/Linux redirection software
Features	IPsec, OpenVPN, RSTP, PPTP

Serial Interface				
Connector	DB Models	D-Sub9 RS-232/422/485 software selectable		
	TB Models	5.08mm 5-Pin Terminal block RS-232/422/485 sw selectable		
Ports		4 + 1 console port (RJ45)		
Baud Rate		110 ~ 921,600 bps software selectable		
Data Bits		7, 8 software selectable		
Stop Bits		1, 2 software selectable		
Flow Control		None, Xon/Xoff, RTS/CTS		
Isolation		3 kV (Isolation versions only)		
Regulatory Approvals				
Safety	UL61010-2-201			
EMC	FCC Part 15, Subpart B, Class A EN 55032, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2, EN 61000-6-4			
EMS Test	Item		Value	Level
IEC 61000-4-2	ESD	Enclosure Contact Enclosure Air	±8kV ±15kV	4 4
IEC 61000-4-3	RS	Radiated (enclosure)	10 V/m	3
IEC 61000-4-4	EFT	AC Power Port Signal Port	±2.0KV ±2.0KV	3 4
IEC 61000-4-5	Surge	AC Power Port AC Power Port Signal Port	Line-to Line±1.0KV Line-to Earth±2.0KV Line-to Earth±2.0KV	3 3 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	Power Port	-	-
Shock	IEC 60068-2-27			
Drop	IEC 60068-2-32			
Vibration	IEC 60068-2-64			
RoHS II	Yes			
Warranty	5 Years			



SE5904D Series

Page 76 ~ 77



SE5908A/5916A Series

Page 78 ~ 81

