



Industrial Networking Solutions

Serial Device Servers

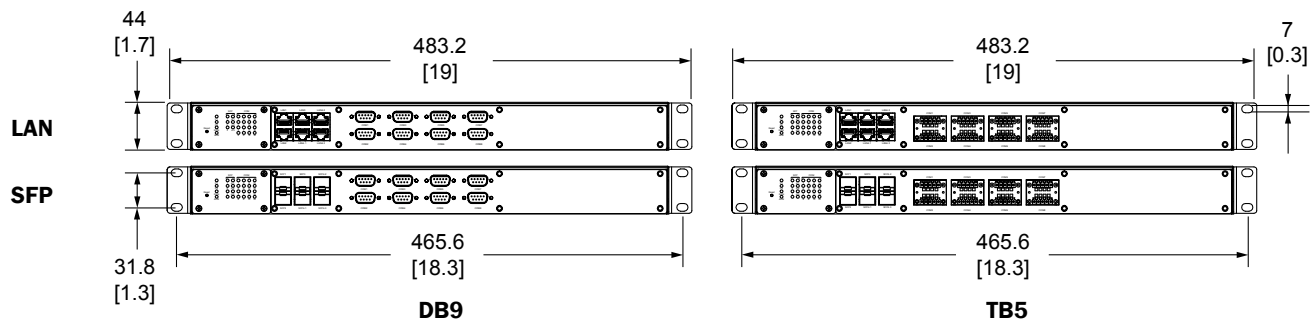


Industrial Serial Device Servers | 8-Port | 19" Rack Mount | Metal Housing | IP30 Rating



IEC61850-3 Certified Industrial 8-Port Serial Device Servers					
Part Number [MFG #]	Input Voltage	Fast Ethernet Ports	Serial Ports	Isolation	Features
RMSS-IND-6RJ45-8DB9 [SE5908A]	24-48 VDC	6 (RJ45)	8 x DB9	N/A	Industrial EMC Protection IEC61850-3 Certified
RMSS-IND-6RJ45-8TB5 [SE5908A-TB]		6 (RJ45)	8 x TB5	N/A	
RMSS-IND-6RJ45-8TB5-IS [SE5908A-SIS]		6 (RJ45)	8 x TB5	2.5KV	
RMSS-IND-6SFP-8DB9 [SE5908A-6SFP]		6 (SFP Slot)	8 x DB9	N/A	
RMSS-IND-6SFP-8TB5 [SE5908A-6SFP-TB]		6 (SFP Slot)	8 x TB5	N/A	
RMSS-IND-6SFP-8TB5-IS [SE5908A-6SFP-SIS]		6 (SFP Slot)	8 x TB5	2.5KV	
RMSS-IND-6RJ45-8DB9-HV [SE5908A-HV]	100-240 VAC/ 100-370 VDC	6 (RJ45)	8 x DB9	N/A	
RMSS-IND-6RJ45-8TB5-HV [SE5908A-TB-HV]		6 (RJ45)	8 x TB5	N/A	
RMSS-IND-6RJ45-8TB5-IS-HV [SE5908A-SIS-HV]		6 (RJ45)	8 x TB5	2.5KV	
RMSS-IND-6SFP-8DB9-HV [SE5908A-6SFP-HV]		6 (SFP Slot)	8 x DB9	N/A	
RMSS-IND-6SFP-8TB5-HV [SE5908A-6SFP-TB-HV]		6 (SFP Slot)	8 x TB5	N/A	
RMSS-IND-6SFP-8TB5-IS-HV [SE5908A-6SFP-SIS-HV]		6 (SFP Slot)	8 x TB5	2.5KV	

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



Feature Highlights:

- Remotely monitor, manage, and control industrial field devices
- Industrial EMC protection, wide temperature operation, -40°C~85°C
- IEC61850-3 certified, can be easily set up into IEC61850-3 substations
- Redundant Power Input for fault protection, either 24~48 VDC or High-Voltage AC/DC
- 6 Fast-Ethernet ports, either RJ45 or SFP slot
- 8 or 16 RS-232/RS-485/RS-422 Serial ports
- TCP Server/Client, UDP, Virtual COM and Tunneling modes supported
- Configuration via Web Browser / Serial Console / Telnet Console / Windows Utility, remote firmware upgrade



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Specifications & Approvals



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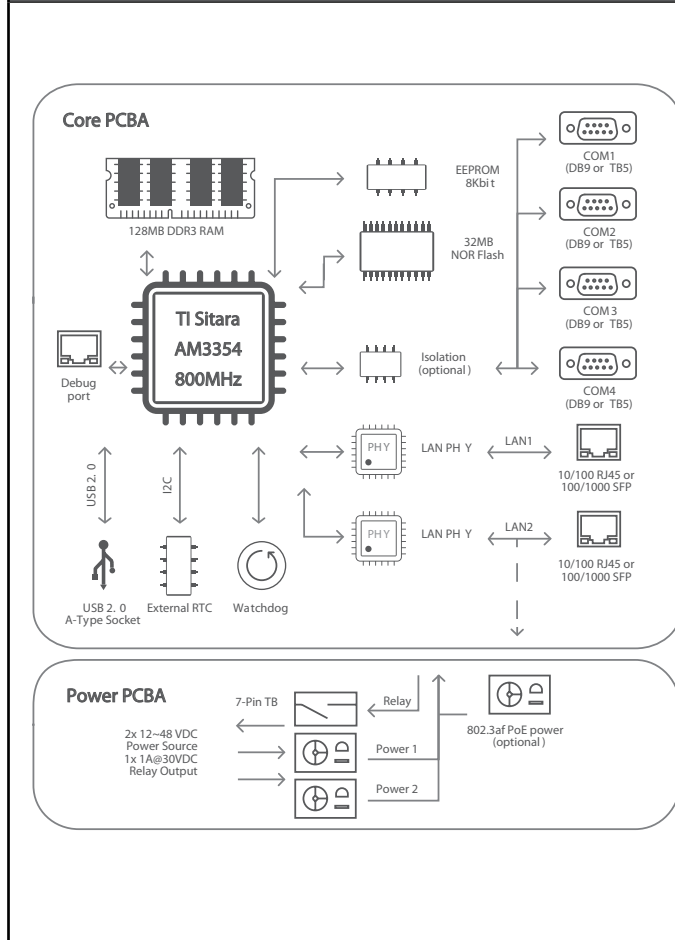
Network Interface	
Speed	IEEE 802.3 10BaseT IEEE 802.3u 100BaseT(X) - RJ45 version IEEE 802.3u 100Base-FX - SFP version
Connector ports	RJ45 x 6 (RJ45 version) SFP x 6 (SFP version)
Power Management	
Input Voltage	Redundant 24-48 VDC or Redundant 100-240 VAC/ 100-370 VDC (HV Series)
Input Current	0.73 A @ 24 VDC 0.35 A @ 100 VAC 0.20 A @ 100 VDC
Power Consumption	Approximately 20 W
Power Redundancy	Yes
Connector	10-Pin Terminal Block
Reverse Polarity Protection	Yes
Mechanicals	
Reset Button	Yes
Environmental Limits	
Operating Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 ~ 95% RH, (non-condensing)
Software	
Protocol	IPv4, ARP, ICMP, TCP, UDP, DHCP Client, SNMPv1,v2c,v3, HTTP, Telnet, Syslog
Configuration	Atop Management Utility, Web UI, Telnet, Console
Virtual COM	Windows/Linux redirection software
Features	IPsec, OpenVPN, RSTP, PPTP
Link Modes	
TCP Server	Single destination or VirtualCOM
TCP Client	4 Connections; VirtualCOM or reverse Telnet
UDP	Up to 4 Ranges IP

Serial Interface				
Connector	D-Sub9 (DB models, supporting only 5-pin RS-232 mode) or 5.08mm 5-Pin Terminal block (TB Models)			
Ports	8 Ports			
Mode	RS-232/422/485 Software selectable			
Baud Rate	110 ~ 921.6Kbps software selectable			
Parity	None, Odd, Even, Mark, Space			
Data bits	5, 6, 7, 8 software selectable			
Stop Bit	1, 2 software selectable			
Flow Control	None, Xon/Xoff, RTS/CTS (RS-232 only)			
Isolation	2.5 KV (Isolation models only)			
Regulatory Approvals				
Safety	EN 61010-2-201			
EMI	FCC Part 15, Subpart B, Class B, EN 55032, Class B, EN 61000-6-2 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-4, IEC 61850-3 / IEEE 1613			
EMS Test	Item		Value	Level
IEC 61000-4-2	ESD	Contact Discharge Air Discharge	±8kV ±15kV	4 4
IEC 61000-4-3	RS	Radiated (enclosure)	10 V/m	3
IEC 61000-4-4	EFT	AC Power Port DC Power Port Signal Port	±4.0KV ±4.0KV ±4.0KV	4 4 4
IEC 61000-4-5	Surge	AC Power Port AC Power Port DC Power Port DC Power Port Signal Port	Line-to Line±2.0KV Line-to Earth±4.0KV Line-to Line±1.0KV Line-to Earth±2.0KV Line-to Earth±2.0KV	4 4 3 3 4
IEC 61000-4-6	CS	AC Power Port DC Power Port Signal Port	10 V rms	3
IEC 61000-4-8	PFMF	Enclosure	100 A/m	5
IEC 61000-4-10	Damped Oscillatory Magnetic Field	Enclosure	100 A/m	5
IEC 61000-4-11	DIP	AC Power Ports	-	-
IEC 61000-4-11	Damped Oscillatory	AC Power Port	2.5 KV common, 1 KV differential	3
		Signal Port	2.5 KV common, 1 KV differential	3
Shock	MIL-STD-810F Method 516			
Drop	MIL-STD-810F Method 516			
Vibration	MIL-STD-810F Method 514.5 C1 & C2			
RoHS II	Yes			
Warranty	5 Years			



SE5904D Series

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SE5908A/5916A Series

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