



8-Port and 16-Port Industrial Serial Device Server

■ ■ SE5408A/SE5408A2-N
SE5416A/SE5416A2-N

RoHS compliant

- Standard 19-inch rack-mount high metal housing
- Industrial EMC protection
- TCP Server/Client, UDP, Virtual COM and Tunneling modes supported
- Dual 10/100Mbps Ethernet for networking redundancy
- Remotely monitor, manage, and control industrial field devices
- Configuration via Web Browser / Serial Console / Telnet Console / Windows Utility
- Relay out indicator for Network link-status
- LCM display with 4-key touch pad for configuration
- Remote firmware upgrade
- Isolation (for SE5408A / SE5416A)
- Adjustable termination & pull high/low resistors

Make Serial Devices Ready to the Network

The Industrial Serial Device Server is a gateway between 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, the Serial Device Server offers full-duplex and bi-directional data seamlessly between the serial ports and the Ethernet network.

Easy to Use

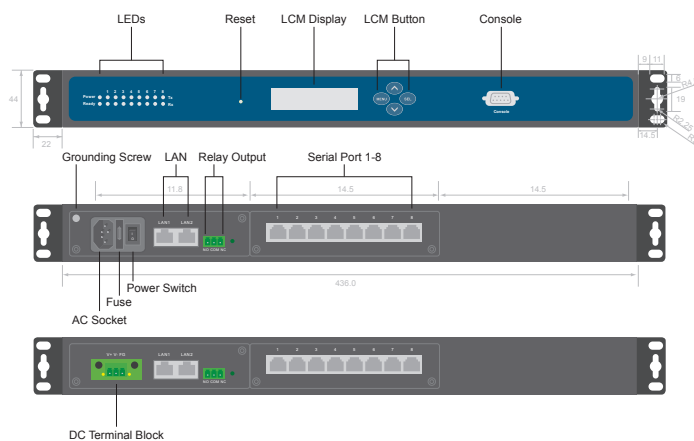
Flexible configuration options enable this unit to be setup over Ethernet by Telnet, Web browser, Serial Console, or our Windows utilities. Packed in a rugged metal housing with 19-inch rack mount and 100~240VAC or 24-48VDC power input range.

The LAN port 1 and LAN port 2 can be assigned to different subnets. This feature gives the user flexible network manageability. Alternatively, the LAN port 1 and LAN port 2 can be assigned to the same IP network. It will enable the network to recover rapidly from failure and fault, so that the failures and faults will be bypassed.

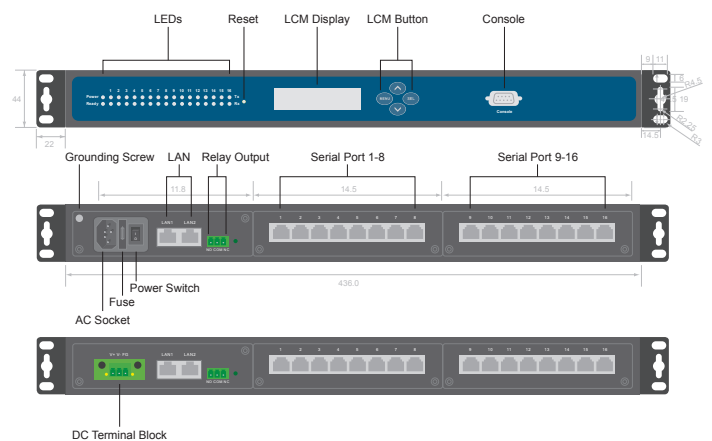
Specially Designed for Automation Fields

In industrial and manufacturing automation fields, The Serial Device Server 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.

SE5408A/SE5408A2 Front Panel



SE5416A/SE5416A2 Front Panel



8-Port and 16-Port Industrial Serial Device Server

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Specifications

Network Interface

Ethernet Port	2x RJ-45
LAN-port Mode	Dual Subnets or LAN Redundancy
Compliance	IEEE 802.3 10BASE-T / IEEE 802.3u 100BASE-TX

Serial Interface

Connector	RJ-45
Ports	8 or 16 Ports
Mode	RS-232/422/485, software selectable. For the different modes supported in each model, refer to the ordering information.
Baud Rate	50~921,600 bps
Parity	None, Odd, Even, Space, Mark
Data Bits	5,6,7,8
Stop Bits	1,2
Flow Control	None, Xon/Xoff, RTS/CTS (RS-232 only)
*Isolation	2.5 KV (Isolation models only)

Power Characteristics

Connector	IEC 60320-1 C14 AC Power Inlet (AC models) / 5.08mm 3-pin Lockable Terminal Block (DC models)
Input Voltage	AC 100~240V (AC Models) / 24-48 VDC (DC Models)
Power Consumption (max.)	0.21A @100 VAC / 0.54A @24 VDC
Power Redundancy	No
Reverse Polarity Protection	Yes (DC Input only)

Mechanicals

Dimensions(W x H x D)	436 mm x 43.5 mm x 200 mm
Installation	19" Rack Mount
Reset Button	Yes
Weight	3.2kg (16 ports) / 3.0 kg (8 ports)

Environmental Limits

Operating Temperature	-20°C ~ 70°C (-4°F ~ 158°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 ~ 95% RH, (non-condensing)

Software

Protocols	IPv4, ICMP, TCP, UDP, DHCP Client, SNMP, HTTP, Telnet, RFC2217, NTP, DNS, SMTP, Syslog
Configuration	Serial Manager, Web UI, Serial console, Telnet
Virtual COM	Windows / Linux redirection software

Link Modes

TCP Server	4-connection mode supports Raw Data, Virtual COM or Reverse Telnet
TCP Client	Dual destinations support Raw Data or Virtual COM
UDP	Up to 8 ranges of IPs

Warranty

Warranty	5 years
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Ordering Information			
	Model Name	P/N	Description
Isolation	SE5416A	1P1SE5416A0001G	16-Port Industrial Serial Device Server, RS-232, AC Inlet, US Plug
	SE5416A-DC	1P1SE5416A0002G	16-Port Industrial Serial Device Server, RS-232, DC TB3
	SE5416A-S5	1P1SE5416A0003G	16-Port Industrial Serial Device Server, RS-422/485, AC Inlet, US Plug
	SE5416A-S5-DC	1P1SE5416A0004G	16-Port Industrial Serial Device Server, RS-422/485, DC TB3
	SE5416A-EU	1P1SE5416A0011G	16-Port Industrial Serial Device Server, RS-232, AC Inlet, EU Plug
	SE5416A-S5-EU	1P1SE5416A0013G	16-Port Industrial Serial Device Server, RS-422/485, AC Inlet, EU Plug
	SE5408A	1P1SE5408A0001G	8-Port Industrial Serial Device Server, RS-232, AC Inlet, US Plug
	SE5408A-DC	1P1SE5408A0002G	8-Port Industrial Serial Device Server, RS-232, DC TB3
	SE5408A-S5	1P1SE5408A0003G	8-Port Industrial Serial Device Server, RS-422/485, AC Inlet, US Plug
	SE5408A-S5-DC	1P1SE5408A0004G	8-Port Industrial Serial Device Server, RS-422/485, DC TB3
	SE5408A-EU	1P1SE5408A0011G	8-Port Industrial Serial Device Server, RS-232, AC Inlet, EU Plug
	SE5408A-S5-EU	1P1SE5408A0013G	8-Port Industrial Serial Device Server, RS-422/485, AC Inlet, EU Plug
Non-Isolation	SE5416A2-N-DC	1P1SE5416A200CG	16-Port Industrial Serial Device Server, RS-232/422/485 Software Selectable, DC TB3
	SE5416A2-N-US	1P1SE5416A200BG	16-Port Industrial Serial Device Server, RS-232/422/485 Software Selectable, AC Inlet, US Plug
	SE5416A2-N-EU	1P1SE5416A201BG	16-Port Industrial Serial Device Server, RS-232/422/485 Software Selectable, AC Inlet, EU Plug
	SE5408A2-N-DC	1P1SE5408A2006G	8-Port Industrial Serial Device Server, RS-232/422/485 Software Selectable, DC TB3
	SE5408A2-N-US	1P1SE5408A2005G	8-Port Industrial Serial Device Server, RS-232/422/485 Software Selectable, AC Inlet, US Plug
	SE5408A2-N-EU	1P1SE5408A2015G	8-Port Industrial Serial Device Server, RS-232/422/485 Software Selectable, AC Inlet, EU Plug
Optional Accessories			
Power Adapter-AD17-24C (US-Y)	50500151240002G	Y-Type power adaptor, 100-240VAC input, 0.6A @ 24VDC output, US plug	
Power Adapter-AD17-24D (EU-Y)	50500151240012G	Y-Type power adaptor, 100-240VAC input, 0.6A @ 24VDC output, EU plug	
ADP-DB9(F)-TB5	59906231G	Female DB9 to Female 3.81mm TB5 Converter	
CBL-RJ45(8P)-DB9(M)-90	50891781G	RJ45 to DB9 Male Cable, 90cm	
CBL-RJ45(8P)-DB9(M)-200	50891951G	RJ45 to DB9 Male Cable, 200cm	
CBL-RJ45(8P)-DB9(F)-90	50891791G	RJ45 to DB9 Female Cable, 90cm	
CBL-RJ45(8P)-DB9(F)-90-C	50891971G	RJ45 to DB9 Female Cross Over Cable, 90cm	
CBL-RJ45(8P)-DB9(F)-200-C	50891961G	RJ45 to DB9 Female Cross Over Cable, 200cm	
RMK-718-Black	7010000000040G	Rack Mount Mounting-Kit, Black	
Power Cable (US)	50801041G	6 feet Power Cable, US	
Power Cable (EU)	50801051G	6 feet Power Cable, EU	
Fuse	59907561G	250V, 2A, 20mm (length) * 5mm (diameter)	

Regulatory Approvals					
EMI	EN 55022: 2010, EN 55024: 2010, FCC Part 15B, Class A				
EMS					
Test	Item		Value	Level	Criteria
IEC 61000-4-2	ESD	Enclosure Contact	8 kV	4	B
		Enclosure Air	15 kV		B
IEC 61000-4-3	RS	Enclosure Ports	10 V/m	3	A
IEC 61000-4-4	EFT	Signal Ports	2 kV	4	B
		DC Power Ports	2 kV	3	B
		AC Power Ports	4 kV	4	B
IEC 61000-4-5	Surge	Signal Ports	2 kV line-to-earth	3	B
		Signal Ports	2 kV line-to-earth	3	B
		DC Power Ports	1 kV line-to-earth, 1 kV line-line	2	A
		AC Power Ports	4 kV line-to-earth, 2 kV line-line	4	A
IEC 61000-4-6	CS	Signal Ports	10 V	3	A
		DC Power Ports			
		AC Power Ports			
IEC 61000-4-8	PFMF	Enclosure Ports	10 A/m continuous	3	A
IEC 61000-4-11	Dip	AC Power Ports	Dips: >95% dip, 30% reduction	-	A
			Interruptions: >95%	-	B
Safety	EN 60950-1				
Shock	IEC 60068-2-27				
Freefall	IEC 60068-2-32				
Vibration	IEC 60068-2-64				
MTBF	TBD				
RoHS II	Yes				

Atop Technologies, Inc.

TEL : +886-3-5508137

FAX : +886-3-5508131

sales@atop.com.tw

http : //www.atop.com.tw

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