

## 4 Port Industrial Secure Serial Device Server, SC10E4 S Series

### Product Description



The Industrial Serial Device Server SC10E4 S series 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, SC10E4 S Series products offer full-duplex and bi-directional data seamlessly between the 4 Serial ports and the Ethernet network, through 2 x 10/100 Ethernet ports or 2 x 100/1000 SFP Fiber slots.

SC10E4 S embeds OpenVPN and IPsec VPN Encryption that allows you to tunnel your data securely through the internet and prevent unauthorized control of your Serial Devices by malicious people.

The integrated Rapid Spanning Tree Protocol (RSTP), allows you to add a backup Ethernet link in the event the primary one fails. 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 redundant 12 - 48V DC wide range power input and one Relay output

SC10E4 S Series products embeds high EMC protection, wide temperature operation, programming and installation flexibility in one device. PoE versions can be powered through Power-over-Ethernet (PoE 802.3af), without additional cabling and power supply.

### Technical Specifications

Specifications	
<b>Network interface</b>	
Speed	IEEE 802.3 10BaseT
	IEEE 802.3u 100BaseT
	IEEE 802.3u for 100Base-X (SFP version only)
	IEEE 802.3z for 1000Base-X (SFP version only)
PoE standard	IEEE 802.3 af (PoE version only)
LAN Mode	Dual Subnets or RSTP Redundancy
Connector ports	2x 10/100BASE-T(X) RJ-45 or
	2x 100/1000 Base-X SFP Slots (SFP version)
<b>Serial Interface</b>	
Connector	4 * DSub9 RS232/422/485 software selectable (D models)
	4 * 5.08mm 5-Pin Terminal block RS-232/422/485 software selectable (T models)
Baud Rate	1,200 ~ 921,600 bps software selectable
Data Bits	7, 8 software selectable

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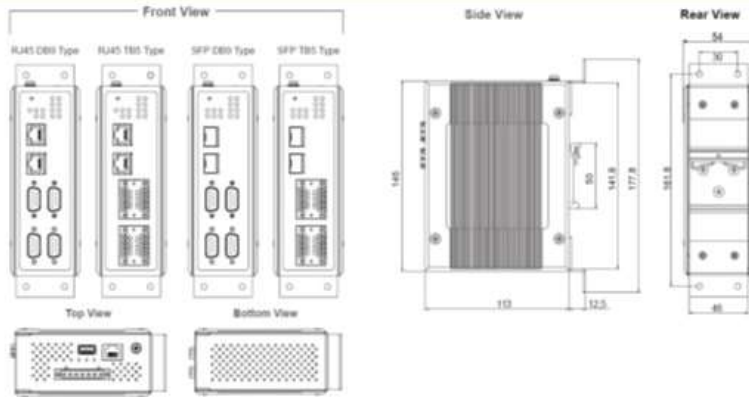


Stop Bits	1, 2 software selectable
Flow Control	None, Xon/Xoff, RTS/CTS
Isolation	3 KV Galvanic (I versions only)
<b>USB interface</b>	
Speed	USB 2.0
Connector	USB A Type x 1
<b>Power</b>	
Input Voltage	Dual 12 - 48VDC (non-PoE Models); or through Ethernet Cable (PoE versions)
Input Current @ 12VDC	0.65 A
Power Consumption	Approximately 8W (Max)
Connector	7-Pin 5.08mm Lockable Terminal Block
Power Redundancy	Yes
Protection	Reverse Polarity
Relay Output	1A @ 30V DC (normal open)
<b>Physical Characteristics</b>	
Housing	IP30 SPCC housing
Dimension (W x H x D)	55 x 145 x 113 mm
Weight	1000 g
Installation	DIN Rail, Wall mount (optional kit)
Reset Button	Yes
<b>Environmental Limits</b>	
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%, 55°C (Non-condensing)
<b>Software</b>	
Protocols	IPv4, ICMP, TCP, UDP, DHCP Client, NTP, SNMPv1,v2c,v3, HTTP, HTTPS, Telnet, SMTP/TLS, RFC2217, 802.1D-2004 RSTP, Security through PPTP, OpenVPN ( Client / Server ) IPsec host-to-host or host-to-side VPN with up to 37.9Mbps throughput
Configuration	Management Utility, Web UI, Telnet
Virtual COM	Windows/Linux redirection software
<b>Link Modes</b>	
TCP Client	Single destination or Virtual COM
TCP Server	4 Connections; Virtual COM or reverse Telnet
UDP	Up to 4 Ranges IP

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## Dimensions & Layout



## Approvals Tested For :

Safety : UL61010-2-201/ EN62368-1  
 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,

Test	Item	Value	Level	
IEC 61000-4-2	ESD Contact Discharge	±8kV	4	
		Air Discharge	±15kV	4
IEC 61000-4-3	RS Radiated (enclosure)	10 V/m	3	
IEC 61000-4-4	EFT AC Power Port	±2.0KV	3	
		Signal Port	±2.0KV	4
IEC 61000-4-5	Surge AC Power Port/	Line-to Line±1.0KV	3	
		AC Power Port	Line-to Line±1.0KV	3
		Signal Port	Line-to Earth±2.0KV	3
IEC 61000-4-6	CS Conducted	10 V rms	3	
IEC 61000-4-8	PFMF Enclosure	10 A/m	3	
Shock / Drop (Freefall) /Vibration, IEC 60068-2-27, IEC 60068-2-32 /IEC 60068-2-64				
MTBF	: 14.56 Years (according to MIL-HDBK-217F)			

## Ordering information

Model name	Description
SC10E4NI S D A	Ind. 4-Port Serial Device Server, 10/100BaseT, DB9
SC10E4NI S T A	Ind. 4-Port Serial Device Server, 10/100BaseT, TB5
SC10E4I S T A	Ind. 4-Port Serial Device Server,10/100BaseT, TB5, 3KV Isolated
SC10E4NI S D PoE A	Ind. 4-Port Serial Device Server, 10/100BaseT, PoE, DB9
SC10E4NI S T PoE A	Ind. 4-Port Serial Device Server, 10/100BaseT, PoE, TB5
SC10E4I S T PoE A	Ind. 4-Port Serial Device Server, 10/100BaseT, PoE, 3KV Isolated
SC10E4NI S 2S D A	Ind. 4-Port Serial Device Server, 100/1000BaseX SFP, DB9
SC10E4NI S 2S T A	Ind. 4-Port Serial Device Server, 100/1000BaseX SFP, TB5
SC10E4I S 2S T A	Ind. 4-Port Serial Device Server, 100/1000BaseX SFP, TB5, 3KV Isolated