

Overview

The SE5300 is a two or four serial ports to two Ethernet ports Industrial serial device server, which is an easy and reliable solution for bridging your serial based equipments to the Fast Ethernet networks. The two Ethernet ports can backup each other to provide redundant network connections for the serial devices connected to the SE5300. The serial ports support RS-232/422/485 or isolated RS-422/485, and the LAN ports support 10/100BASE-TX or 100BASE fibre optics.



Features

- Supports 2 or 4 ports of RS-232/422/485 serial communication
- Equipped with 2KV optical isolation protection and 15KV ESD surge protection of serial interfaces
- Dual LAN Ports design for redundant Ethernet connection Supports RJ45 and single-mode/multi-mode fibre optics through SC and ST fibre connector
- 512KB port buffer prevents data loss when connection fails
- Warning system designed to automatically inform the Administrator by relay output and E-mail, if the connection is lost.
- Supports Virtual COM, TCP server, TCP client, UDP, Pair Connection operation mode
- Multiple configuration interfaces Web, Telnet console, SNMP or windows-based utility
- Both Terminal Block and latch secure DC Jack power inputs are Redundant power inputs designed to avoid any unexpected electrical problems
- Aluminium housing with flexible installation design for DIN-Rail, Panel or Wall mounting

Ordering Information

SE5302-00Z	2-port RS-232/422/485 Serial Device Server with 2-port 10/100BASE-TX
SE5302-1XZ	2-port RS-232/422/485 Serial Device Server with 1-port 10/100BASE-TX and 1-port 100BASE-FX
SE5302-2XZ	2-port RS-232/422/485 Serial Device Server with 2-port 100BASE-FX
SE5304-00Z	4-port RS-232/422/485 Serial Device Server with 2-port 10/100BASE-TX
SE5304-1XZ	4-port RS-232/422/485 Serial Device Server with 1-port 10/100BASE-TX and 1-port 100BASE-FX
SE5304-2XZ	4-port RS-232/422/485 Serial Device Server with 2-port 100BASE-FX
SE5320-00Z	2-port isolated RS-422/485 Serial Device Server with 2-port 10/100BASE-TX
SE5320-1XZ	2-port isolated RS-422/485 Serial Device Server with 1-port 10/100BASE-TX and 1-port 100BASE-FX
SE5320-2XZ	2-port isolated RS-422/485 Serial Device Server with 2-port 100BASE-FX

100FX Fibre Options:

- (X) = 1: Multi Mode (SC)
 2: Multi Mode (ST)
 A: Single Mode (SC) -20Km
 B: Single Mode (SC) -40Km
 H: Single Mode (ST) -20Km

Power Input Interface:

- (Z) = B: Terminal Block & DC Jack

Power Supply: (Optional)

- * Option A - The Terminal Block type external power supply are not included. Please order the following part numbers, as required:
 DR-30-24, DR-60-24, DR-75-24, DR-120-24 or 41-136046-X X=1, 2,3,4,5
- ** Option B - The external power adapter and power cord are not included. Please order the following part numbers, as required:
 41-136044-X X=1, 2,3,4,5

- Installation Type:** DIN Rail (mounting kit is included)
 Optional Panel mount kit, part number: KP-AA51



Connection Cable: (Optional)

- 10-pin RJ50 to male DB9, 180cm Cable: CS-50M9-180 10-pin RJ50 to female DB9, 180cm Cable: CS-50F9-180



Specifications

Technology

Serial Port:

- Interface: RS-232/422/485
- Connector: RJ50 for 4-port RS-232/422/485
DB9 for 2-port RS-232/422/485
- Terminal Block for isolated RS-422/485
- Line Protection: 15KV ESD
- Isolation: 2KV (SE5320)

Serial Communication Parameters:

- Parity: None, Even, Odd, Space, Mark
- Data Bits: 5, 6, 7, 8
- Stop Bit: 1, 1.5, 2
- Flow Control: None, RTS/CTS, Xon/Xoff
- Speed: SE5304 & SE5302, 50 bps to 460.8Kbps
SE5320, 50 bps to 230.4Kbps

Protocols:

- ICMP, IP, TCP, UDP, DHCP client, BOOTP, Telnet, Rtelnet, DNS, SNMPv2,
- HTTP, SSH, Reverse SSH, SMTP, SNTP, ARP, RARP, RFC2217

Operation mode:

- Virtual COM, TCP server, TCP client, UDP, Pair Connection

OS Driver Support:

- Windows 2000/XP/2003 COM driver

Management:

- Web, Telnet console, SNMP

Port Buffer:

- 512K bits

Power

Input:

- Input Voltage: 12 to 32VDC (Terminal Block); 12VDC (DC Jack)

Power Consumption:

- 4.32W Max. 0.36A@12VDC, 0.18A@24VDC

Connector:

- Terminal Block and DC Jack with latch

Mechanical

Casing:

- Aluminium case

Dimensions:

- 100mm (W) x 125mm (D) x 30mm(H)
(3.94" (W) x 4.92" (D) x 1.18" (H))

Weight:

- 0.3kg (0.66 lb)

Installation:

- DIN-Rail (Top hat type 35mm), Panel Mounting

Interface

Ethernet Port:

- Interface: 10/100BASE-TX; 100BASE-FX
- Connector: RJ45 (10/100BASE-TX); SC, ST Type (100BASE-FX)
- Isolation: Built-in 1.5KV magnetic isolation

Serial Port:

- RJ50- RS232/422/485: 4 port or
DB9- RS232/422/485: 2 port or
5Pin Terminal Block (Isolation version) - RS422/485: 2 port

LED Indicators

- Per Unit: Power Status (Power 1, Power 2), Status
- Per Port: Ethernet: LAN1, LAN2
- Serial: Port1 TX, Port1 RX, Port2 TX, Port2 RX
- Port1 TX/RX, Port2 TX/RX, Port3 TX/RX, Port4 TX/RX for RJ50 Interface Version)

Environment

Operating Temperature:

- -10°C to 60°C (14°F to 140°F)
- Test @ -20°C to 65°C (-4°F to 149°F)

Storage Temperature:

- -20°C to 85°C (-4°F to 185°F)

Ambient Relative Humidity:

- 5% to 95% non-condensing

Regulatory Approvals:

Emission Compliance:

- CE Mark Class A, FCC Part 15 Class A, VCCI Class A

Diagrams

