



Overview

SE5100 is a one serial port to one Ethernet port Industrial serial device server, which is a cost effective and reliable solution for bridging your serial based equipment to Fast Ethernet networks. The SE5100 can transfer serial data through TCP/IP, control remote serial devices with security, thus maximizing managerial efficiency. The serial port supports RS-232/422/485 or isolated RS-422/485, and the LAN port supports 10/100BASE-TX or 100BASE fibre optics.

Features

- Supports RS-232/422/485 serial communication
- Equipped with 2KV optical isolation protection and 15KV ESD surge protection of serial interfaces
- Support RJ45 and single-mode/multi-mode fibre optics through SC and ST fibre connectors
- 512KB port buffer prevents data loss when connection fails
- The warning system design provides automatic information to administrator by relay output and E-mail, when the connection occurs
- Supports Virtual COM, TCP server, TCP client, UDP, Pair Connection operation mode
- Multiple configuration interfaces of Web, Telnet console, SNMP and windows-based utility
- Both Terminal Block and latch secure DC Jack power inputs are provided for flexible electrical environment requirements
- Aluminium housing with flexible installation design by DIN-Rail, panel and wall mounting

Ordering Information

SE5101-00Z	1-port RS-232/422/485 Serial Device Server with 1-port 10/100BASE-TX
SE5101-1XZ	1-port RS-232/422/485 Serial Device Server with 1-port 100BASE-FX
SE5110-00Z	1-port isolated RS-422/485 Serial Device Server with 1-port 10/100BASE-TX
SE5110-1XZ	1-port isolated RS-422/485 Serial Device Server with 1-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
 - C: 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](#)



Specifications

Technology

Serial Port:
Interface: RS-232/422/485
Connector: DB9 for RS-232/422/485, Terminal Block for RS-422/485

Line Protection: 15KV ESD
Isolation: 2KV (SE5110)

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: SE5101, 50 bps to 460.8Kbps
SE5110, 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, and 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: 2.88W Max. 0.24A@12VDC, 0.12A@24VDC

Connector:

Terminal Block and DC Jack with latch

Mechanical

Casing: Aluminium case
Dimensions: 70mm (W) x 110mm (D) x 30 mm (H)
(2.76" (W) x 4.33" (D) x 1.18" (H))
Weight: 0.25kg (0.55 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)
Built-in 1.5KV magnetic isolation

Serial Port:
DB9- RS232/422/485: 1 port or 5Pin Terminal Block (Isolation version)- RS422/485: 1 port

LED Indicators
Per Unit: Power Status (Power 1, Power 2), Status
Per Port: Ethernet: LAN1, Serial: Port TX/RX

Environment

Operating Temperature: -10°C to 60°C (14°F to 140°F)
Test @ -20°C to 70°C (-4°F to 158°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

