

Overview



The SE6100 is a one serial port to one Ethernet port Hardened serial device server, which is a cost effective and reliable solution for bridging your serial based equipment to Fast Ethernet networks. The SE6100 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 connector
- 512KB port buffer prevents data loss when connection fails
- Warning system designed to automatically inform administrator by relay output and E-mail, when data loss 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 requirement
- Aluminium housing with flexible installation design by DIN-Rail, panel and wall mounting

Ordering Information

SE6101-00Z	1-port RS-232/422/485 Serial Device Server with 1-port 10/100BASE-TX
SE6101-1XZ	1-port RS-232/422/485 Serial Device Server with 1-port 100BASE-FX
SE6110-00Z	1-port isolated RS-422/485 Serial Device Server with 1-port 10/100BASE-TX
SE6110-1XZ	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
- 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



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 (SE6110)
 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: SE6101, 50 bps to 460.8Kbps
 SE6110, 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)
 Isolation: 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:
 10/100BASE-TX Interface: -34°C to 75°C (-29.2°F to 167°F)
 100BASE-FX Interface: -25°C to 75°C (-13°F to 167°F)
 Storage Temperature:
 10/100BASE-TX Interface: -34°C to 85°C (-29.2°F to 185°F)
 100BASE-FX Interface: -25°C to 85°C (-13°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

