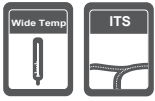# SE6100 Series

Hardened 1-port Serial Device Server

✓ *Value*

> Best hardened model for serial to Ethernet data transmission with various communication modes
> Wide operation temperature specification supports hash environment applications

Features

> Supports RS-232/422/485 serial communication
> 15KV ESD surge protection of serial interfaces
> Supports RJ45 and single-mode/multi-mode fiber optics through SC and ST fiber connector
> 256Kb Memory buffer prevents data loss when connection fails
> Supports Virtual COM, TCP server, TCP client, UDP, and Pair Connection
> Multiple configuration interfaces: Web, Telnet console, SNMP and windows-based utility
> Both Terminal Block and latch secure DC Jack power inputs are provided for flexible power connectivity
> Aluminum housing with flexible installation by DIN-Rail, panel and wall mounting

Ordering Information

SE6101-00B	1-port RS-232/422/485 Serial Device Server with 1-port 10/100BASE-TX
SE6101-1XB	1-port RS-232/422/485 Serial Device Server with 1-port 100BASE-FX

100FX Fiber Options :

(X) = 1 : Multi Mode (SC) - 2Km (1310nm)

      2 : Multi Mode (ST) - 2Km (1310nm)

      A : Single Mode (SC) - 20Km (1310nm)

      B : Single Mode (SC) - 40Km (1310nm)

      H : Single Mode (ST) - 20Km (1310nm)

Power Supply : (Optional)

    *Option A - The Terminal Block type external power supply are not included. Please order the following part numbers:

      DR-30-24, DR-60-24, DR-75-24, DR-120-24 or 41-136046-X (X)=1: US, 2: EU, 3: UK, 4: AU, 5: JP

    **Option B - The external power adapter and power cord are not included. Please order the following part numbers:

      41-136044-X (X)=1: US, 2: EU, 3: UK, 4: AU, 5: JP

Installation Type : DIN-Rail (mounting kit 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 (Male) Terminal Block for RS-422/485 • Line Protection: 15KV ESD
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
Protocols	• ICMP, IP, TCP, UDP, DHCP client, Telnet, DNS, SNMPv2, • HTTP, 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
Memory Buffer	• 256K 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	• Aluminum 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
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

Unit: mm

Serial Interfaces

Ethernet Interfaces

Terminal Block   110

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Media Converters

Ethernet Extenders

Serial Device Servers

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