

## Overview

The SE6300 series are Industrial serial device servers available with two or four serial ports and two Ethernet ports. The SE6300 series provide an easy and reliable solution for bridging serial based equipment to Fast Ethernet networks. The two Ethernet ports can backup each other to provide redundant network connections for the serial devices connected to the SE6300. 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
- 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 design to automatically inform the administrator by relay output and E-mail, should data loss occur?
- 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
- Redundant power inputs designs to avoid unexpected electrical problem
- Aluminium housing with flexible installation design by DIN-Rail, panel and wall mounting

## Ordering Information

SE6302-00Z	2-port RS-232/422/485 Serial Device Server with 2-port 10/100BASE-TX
SE6302-1XZ	2-port RS-232/422/485 Serial Device Server with 1-port 10/100BASE-TX and 1-port 100BASE-FX
SE6302-2XZ	2-port RS-232/422/485 Serial Device Server with 2-port 100BASE-FX
SE6304-00Z	4-port RS-232/422/485 Serial Device Server with 2-port 10/100BASE-TX
SE6304-1XZ	4-port RS-232/422/485 Serial Device Server with 1-port 10/100BASE-TX and 1-port 100BASE-FX
SE6304-2XZ	4-port RS-232/422/485 Serial Device Server with 2-port 100BASE-FX
SE6320-00Z	2-port isolated RS-422/485 Serial Device Server with 2-port 10/100BASE-TX
SE6320-1XZ	2-port isolated RS-422/485 Serial Device Server with 1-port 10/100BASE-TX and 1-port 100BASE-FX
SE6320-2XZ	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 female DB9, 180cm Cable: CS-50F9-180



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



## 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 (SE6320)

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: SE6304 & SE6302, 50 bps to 460.8Kbps

SE6320, 50 bps to 230.4Kbps

Protocols:

ICMP, IP, TCP, UDP, DHCP client, BOOTP, Telnet, Rtelnet, DNS, SNMPv2, HTTP, SSH, Reverse SSH, SMTP, SNTTP, 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:

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:

-25°C to 70°C (-13°F to 158°F)

Storage Temperature:

-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

