

# SE5300 Series

## Industrial 2/4 ports Serial Device Server



### Value

- Best industrial model for serial to Ethernet data transmission with various communication modes
- Serial interface with optical isolation protection is available
- Redundant Ethernet interfaces prevents Ethernet interruption

## 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 for redundant Ethernet connection
- Supports RJ45 and single-mode/multi-mode fiber optics through SC and ST fiber connector
- 512Kb Memory buffer prevents data loss when connection fails
- Alarm by Relay Output for Loss of Ethernet Connection
- 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
- Redundant power inputs designs to avoid unexpected electrical problem
- Aluminum housing with flexible installation design by DIN-Rail, panel and wall mounting

## Ordering Information

SE5302-00B	2-port RS-232/422/485 Serial Device Server with 2-port 10/100BASE-TX
SE5302-1XB	2-port RS-232/422/485 Serial Device Server with 1-port 10/100BASE-TX and 1-port 100BASE-FX
SE5302-2XB	2-port RS-232/422/485 Serial Device Server with 2-port 100BASE-FX
SE5304-00B	4-port RS-232/422/485 Serial Device Server with 2-port 10/100BASE-TX
SE5304-1XB	4-port RS-232/422/485 Serial Device Server with 1-port 10/100BASE-TX and 1-port 100BASE-FX
SE5304-2XB	4-port RS-232/422/485 Serial Device Server with 2-port 100BASE-FX
SE5320-00B	2-port isolated RS-422/485 Serial Device Server with 2-port 10/100BASE-TX
SE5320-1XB	2-port isolated RS-422/485 Serial Device Server with 1-port 10/100BASE-TX and 1-port 100BASE-FX
SE5320-2XB	2-port isolated RS-422/485 Serial Device Server with 2-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 is included)

Optional Panel mount kit, part number: **KP-AA51**



### Connection Cable : (Optional)

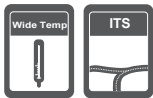
10-pin RJ50 to male DB9, 180cm Cable: **CS-50M9-180**

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



# SE6300 Series

## Hardened 2/4 ports Serial Device Server



### Value

- Best hardened model for serial to Ethernet data transmission with various communication modes
- Serial interface with optical isolation protection is available
- Wide operation temperature specification supports harsh environment applications
- Redundant Ethernet interfaces prevents Ethernet interruption

## 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 fiber optics through SC and ST fiber connector
- 512Kb Memory buffer prevents data loss when connection fails
- Alarm by Relay Output for Loss of Ethernet Connection
- 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
- Redundant power inputs to avoid unexpected electrical failure
- Aluminum housing with flexible installation by DIN-Rail, panel and wall mounting

## Ordering Information

SE6302-00B	2-port RS-232/422/485 Serial Device Server with 2-port 10/100BASE-TX
SE6302-1XB	2-port RS-232/422/485 Serial Device Server with 1-port 10/100BASE-TX and 1-port 100BASE-FX
SE6302-2XB	2-port RS-232/422/485 Serial Device Server with 2-port 100BASE-FX
SE6304-00B	4-port RS-232/422/485 Serial Device Server with 2-port 10/100BASE-TX
SE6304-1XB	4-port RS-232/422/485 Serial Device Server with 1-port 10/100BASE-TX and 1-port 100BASE-FX
SE6304-2XB	4-port RS-232/422/485 Serial Device Server with 2-port 100BASE-FX
SE6320-00B	2-port isolated RS-422/485 Serial Device Server with 2-port 10/100BASE-TX
SE6320-1XB	2-port isolated RS-422/485 Serial Device Server with 1-port 10/100BASE-TX and 1-port 100BASE-FX
SE6320-2XB	2-port isolated RS-422/485 Serial Device Server with 2-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 supplies 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 adapters and power cords 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**



### 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	<ul style="list-style-type: none"> <li>Interface: RS-232/422/485</li> <li>Connector: RJ50 for 4-port RS-232/422/485 DB9 for 2-port RS-232/422/485 (Male) Terminal Block for isolated RS-422/485</li> <li>Line Protection: 15KV ESD</li> <li>Isolation: 2KV (SE6320)</li> </ul>
Serial Communication Parameters	<ul style="list-style-type: none"> <li>Parity: None, Even, Odd, Space, Mark</li> <li>Data Bits: 5, 6, 7, 8</li> <li>Stop Bit: 1, 1.5, 2</li> <li>Flow Control: None, RTS/CTS, Xon/Xoff</li> <li>Speed: SE6304 &amp; SE6302, 50 bps to 460.8Kbps SE6320, 50 bps to 230.4Kbps</li> </ul>
Protocols	<ul style="list-style-type: none"> <li>ICMP, IP, TCP, UDP, DHCP client, Telnet, DNS, SNMPv2, HTTP, SMTP, SNTP, ARP, RARP, RFC2217</li> </ul>
Operation mode	<ul style="list-style-type: none"> <li>Virtual COM, TCP server, TCP client, UDP, Pair Connection</li> </ul>
OS Driver Support	<ul style="list-style-type: none"> <li>Windows 2000/XP/2003 COM driver</li> </ul>
Management	<ul style="list-style-type: none"> <li>Web, Telnet console, SNMP</li> </ul>
Memory Buffer	<ul style="list-style-type: none"> <li>512K bits</li> </ul>

Power	
Input	<ul style="list-style-type: none"> <li>Input Voltage: 12 to 32VDC (Terminal Block); 12VDC (DC Jack)</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>4.32W Max. 0.36A @ 12VDC, 0.18A @ 24VDC</li> </ul>
Connector	<ul style="list-style-type: none"> <li>Terminal Block and DC Jack with latch</li> </ul>

Mechanical	
Casing	<ul style="list-style-type: none"> <li>Aluminum case</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>100mm (W) x 125mm (D) x 30mm(H) (3.94" (W) x 4.92" (D) x 1.18" (H))</li> </ul>
Weight	<ul style="list-style-type: none"> <li>0.3kg (0.66 lb)</li> </ul>
Installation	<ul style="list-style-type: none"> <li>DIN-Rail (Top hat type 35mm), Panel Mounting</li> </ul>

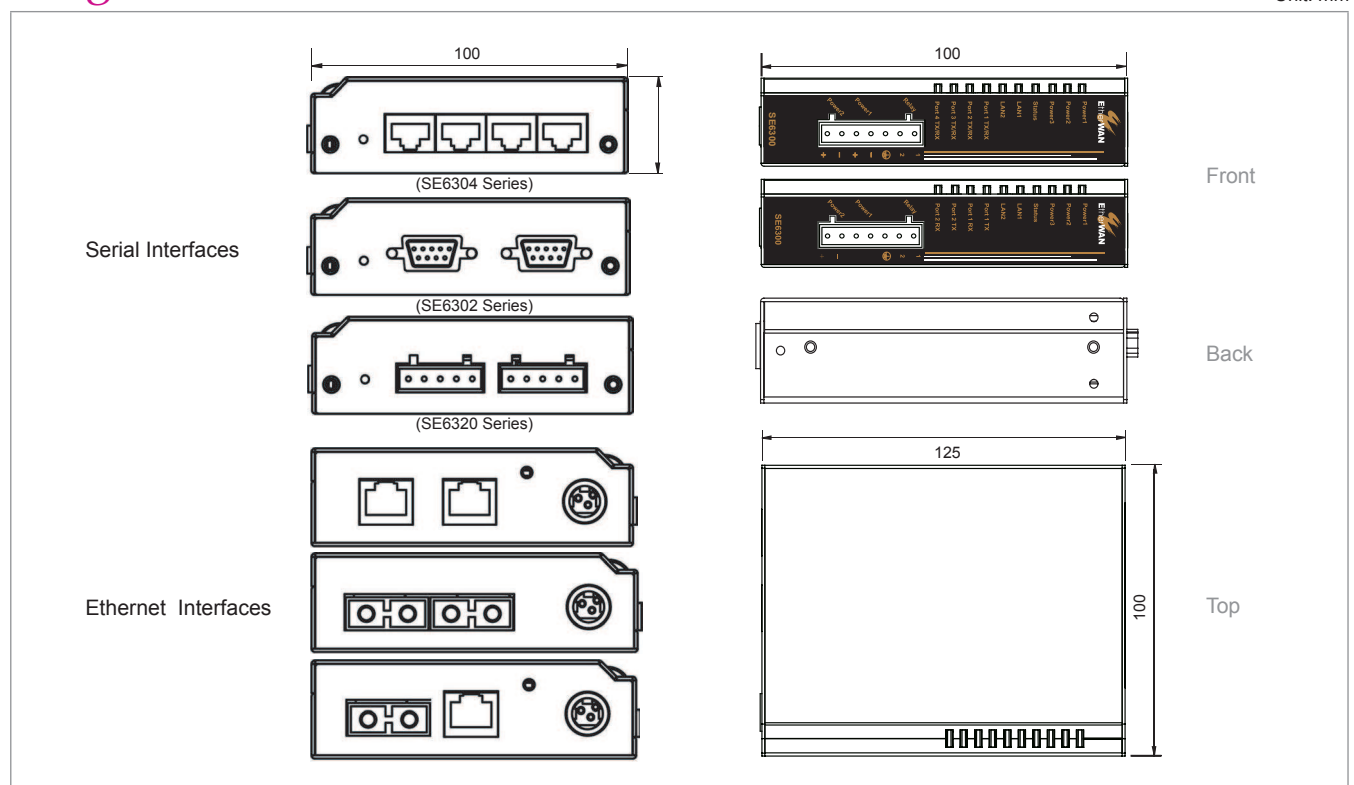
Interface	
Ethernet Port	<ul style="list-style-type: none"> <li>Interface: 10/100BASE-TX; 100BASE-FX</li> <li>Connector: RJ45 (10/100BASE-TX); SC, ST Type (100BASE-FX)</li> <li>Isolation: Built-in 1.5KV magnetic isolation</li> </ul>
Serial Port	<ul style="list-style-type: none"> <li>RJ50- RS232/422/485: 4-port or DB9- RS232/422/485: 2-port or 5Pin Terminal Block (Isolation version) - RS422/485: 2-port</li> </ul>
LED Indicators	<ul style="list-style-type: none"> <li>Per Unit: Power Status (Power 1, Power 2), Status Local/Sub-master, Fault</li> <li>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</li> </ul>

Environment	
Operating Temperature	<ul style="list-style-type: none"> <li>-25°C to 70°C (-13°F to 158°F)</li> </ul>
Storage Temperature	<ul style="list-style-type: none"> <li>-25°C to 85°C (-13°F to 185°F)</li> </ul>
Ambient Relative Humidity	<ul style="list-style-type: none"> <li>5% to 95% non-condensing</li> </ul>

Regulatory Approvals	
Emission Compliance	<ul style="list-style-type: none"> <li>CE Mark Class A</li> <li>FCC Part 15 Class A</li> <li>VCCI Class A</li> </ul>

## Diagrams

Unit: mm



## Specifications

Technology	
Serial Port	<ul style="list-style-type: none"> <li>Interface: RS-232/422/485</li> <li>Connector: RJ50 for 4-port RS-232/422/485 DB9 for 2-port RS-232/422/485 (Male) Terminal Block for isolated RS-422/485</li> <li>Line Protection: 15KV ESD</li> <li>Isolation: 2KV (SE5320)</li> </ul>
Serial Communication Parameters	<ul style="list-style-type: none"> <li>Parity: None, Even, Odd, Space, Mar</li> <li>Data Bits: 5, 6, 7, 8</li> <li>Stop Bit: 1, 1.5, 2</li> <li>Flow Control: None, RTS/CTS, Xon/Xoff</li> <li>Speed: SE5304 &amp; SE5302, 50 bps to 460.8Kbps SE5320, 50 bps to 230.4Kbps</li> </ul>
Protocols	<ul style="list-style-type: none"> <li>ICMP, IP, TCP, UDP, DHCP client, Telnet, DNS, SNMPv2,</li> <li>HTTP, SMTP, SNTP, ARP, RARP, RFC2217</li> </ul>
Operation mode	<ul style="list-style-type: none"> <li>Virtual COM, TCP server, TCP client, UDP, Pair Connection</li> </ul>
OS Driver Support	<ul style="list-style-type: none"> <li>Windows 2000/XP/2003 COM driver</li> </ul>
Management	<ul style="list-style-type: none"> <li>Web, Telnet console, SNMP</li> </ul>
Memory Buffer	<ul style="list-style-type: none"> <li>512K bits</li> </ul>

Power	
Input	<ul style="list-style-type: none"> <li>Input Voltage: 12 to 32VDC (Terminal Block); 12VDC (DC Jack)</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>4.32W Max. 0.36A @ 12VDC, 0.18A @ 24VDC</li> </ul>
Connector	<ul style="list-style-type: none"> <li>Terminal Block and DC Jack with latch</li> </ul>

Mechanical	
Casing	<ul style="list-style-type: none"> <li>Aluminum case</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>100mm (W) x 125mm (D) x 30mm(H) (3.94" (W) x 4.92" (D) x 1.18" (H))</li> </ul>
Weight	<ul style="list-style-type: none"> <li>0.3kg (0.66 lb)</li> </ul>
Installation	<ul style="list-style-type: none"> <li>DIN-Rail (Top hat type 35mm), Panel Mounting</li> </ul>

Interface	
Ethernet Port	<ul style="list-style-type: none"> <li>Interface: 10/100BASE-TX; 100BASE-FX</li> <li>Connector: RJ45 (10/100BASE-TX); SC, ST Type (100BASE-FX)</li> <li>Isolation: Built-in 1.5KV magnetic isolation</li> </ul>
Serial Port	<ul style="list-style-type: none"> <li>RJ50- RS232/422/485: 4 port or</li> <li>DB9- RS232/422/485: 2 port or</li> <li>5Pin Terminal Block (Isolation version)- RS422/485: 2 port</li> </ul>
LED Indicators	<ul style="list-style-type: none"> <li>Per Unit: Power Status (Power 1, Power 2), Status</li> <li>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</li> </ul>

Environment	
Operating Temperature	<ul style="list-style-type: none"> <li>-10°C to 60°C (14°F to 140°F) Test @ -20°C to 65°C (-4°F to 149°F)</li> </ul>
Storage Temperature	<ul style="list-style-type: none"> <li>-20°C to 85°C (-4°F to 185°F)</li> </ul>
Ambient Relative Humidity	<ul style="list-style-type: none"> <li>5% to 95% non-condensing</li> </ul>

Regulatory Approvals	
Emission Compliance	<ul style="list-style-type: none"> <li>CE Mark Class A</li> <li>FCC Part 15 Class A</li> <li>VCCI Class A</li> </ul>

## Diagrams

Unit: mm

