



RoHS-compliant

## 1-Port Serial Server

■ ■ SE5001

### Features

- Cigarette pack size
- Rugged metal case with wall/DIN-Rail mount
- Watch Dog Timer 1.34 sec. hardware auto reset
- 15KV ESD protection for serial signals
- 10/100Mbps Fast Ethernet full duplex auto negotiation
- Support TCP server/client, UDP for Virtual COM mode and Tunneling mode
- Monitor, manage and control industrial field devices remotely
- Configuration: Web Server page/Serial Console/ Telnet Console
- Monitor IP configuration utility for Windows
- Upgrade firmware from remote-PC via Ethernet
- Programmable with built-in C software development kit
- Redundant dual DC power input for non-stop operation

### Make Serial Devices Ready to the Network

The Industrial Serial Server SE5001 is a cost effective gateway between Ethernet (TCP/IP) and serial signal communications. It allows almost any serial device to be connected to a new or existing Ethernet network.

By encapsulating serial data and transporting it over Ethernet, SE5001 offers full-duplex, bi-directional data transmission transparent between serial port and Ethernet network.

### Easy to Use

Flexible configuration options enable this unit to be setup over Ethernet by Telnet, Web browser, Serial Console, or other Windows utilities. Packed in a rugged metal housing for wall or DIN-Rail mount with 5~30VDC wide power input range, SE5001 is ideal for almost any industrial and manufacturing automation.

ATOP Virtual COM software provides existing Windows based application to access serial device by mapping to remote serial server via Ethernet.

### Specially Designed for Automation Fields

In industrial and manufacturing automation fields, SE5001 is used as a field device to connect Ethernet through TCP/IP protocol directly. It is also specially designed for conjunction with PLCs, HMIs, Barcode Scanners, Data Terminals, Electronic Kanbans, Shop Floor Control Systems, and Pick-to-Light Systems.

# Ethernet Serial Server



## Specifications

<b>CPU</b>	16-bit Embedded CPU
<b>Flash Memory</b>	512 KBytes
<b>SDRAM</b>	512 KBytes
<b>EEPROM</b>	512 Bytes
<b>Network Interface</b>	10/100Mbps Fast Ethernet
<b>Network Protocol</b>	TCP/IP, UDP, HTTP, SNMP, ARP, Telnet, ICMP, BOOTP, DHCP (Note)
<b>Reset</b>	Built-in reset key to restore the defaults
<b>Watch Dog Timer</b>	1.34 seconds hardware auto reset Internal power failure threshold:4.75V
<b>Serial Interface</b>	RS-232 or RS-485/RS-422
<b>Serial Connector</b>	DB9 male
<b>Serial Communication</b>	Data Rate: 1200 bps~230 Kbps Characters: 7 or 8 data bits Parity: None, Even, Odd, Mark, Space Stop Bits: 1 or 2 Flow Control: Xon/Xoff, RTS/CTS
<b>LED Indicator</b>	LAN, RUN and COM
<b>Power Requirement</b>	5~30VDC, 200mA@12V / 5VDC 350mA@5V selectable
<b>Temperature</b>	Operation: 0°C~ 60°C, Storage : -20°C~70°C
<b>Humidity</b>	20%~90% non-condensing
<b>Dimension</b>	65mm x 78mm x 28mm (W x H x D)
<b>Software</b>	Windows OS based Configuration Utility, Virtual COM software
<b>Configuration</b>	Web (HTML), Telnet and Windows based Configuration Utility

## Ordering Information (by Model)

<b>SE5001-S2</b>	Single RS-232 port serial server without adapter
<b>SE5001-S5</b>	Single RS-485/RS-422 port serial server without adapter

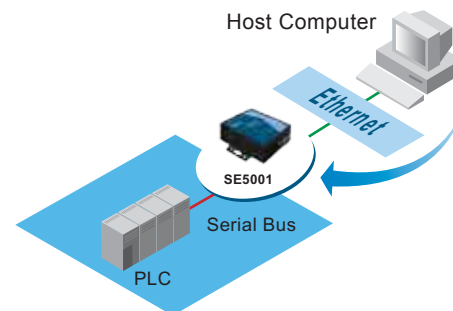
## Optional Accessories

<b>DK-25</b>	DIN-Rail Kit
<b>AD15~24DC (US)</b>	Power adapter (US), AC100~240V/DC 24V 0.6A with Terminal block
<b>AD15~24DC (EU)</b>	Power adapter (EU), AC100~240V/DC 24V 0.6A with Terminal block

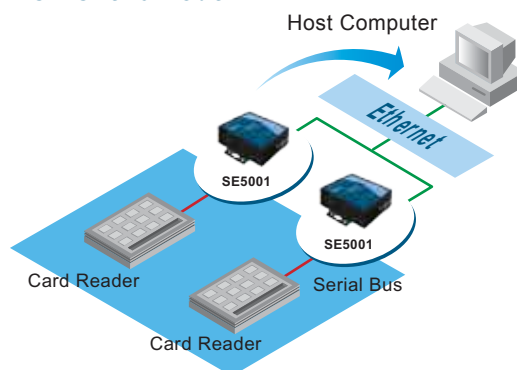


SE5001 DIN-Rail Mounting

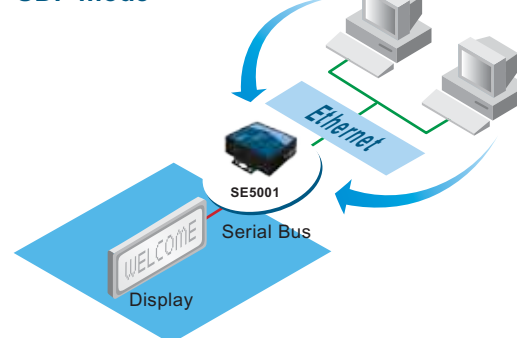
## TCP Server Mode



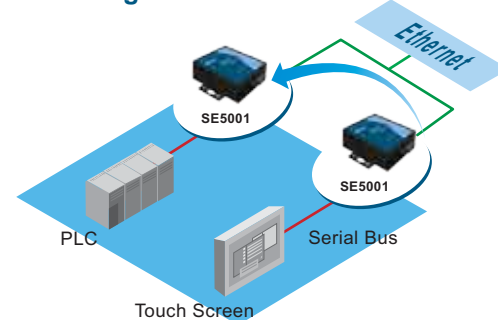
## TCP Client mode



## UDP mode



## Tunneling mode



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