Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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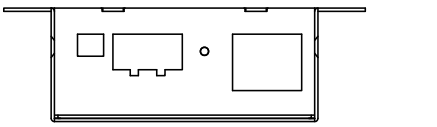
Device Networking Access

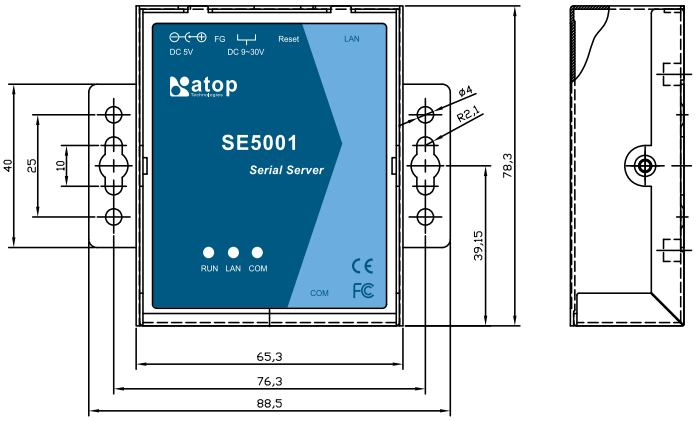
1-Port Serial Server

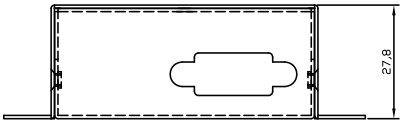
SE5001

RoHS-compliant

- Cigarette pack compact size
- Rugged metal case with wall or DIN-Rail mount
- 10/100Mbps Fast Ethernet full duplex auto negotiation
- Support TCP server/client, UDP, Virtual COM and Tunneling modes
- Monitor, manage, and control industrial field devices remotely
- Configuration: Web Server page / Serial Console / Telnet Console / Windows Utility
- Upgrade firmware from a remote-PC via Ethernet
- Redundant dual DC power inputs for non-stop operation







Make Serial Devices Ready to the Network

The Industrial Serial Server SE5001 is a cost effective gateway for 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 and bi-directional data that is transmission transparent between the serial port and the 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 the Virtual COM port to a remote serial server via Ethenet.

Specially Designed for Automation Fields

In industrial and manufacturing automation fields, SE5001 is used as a field device to connect the 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.

atop Technologies

Ethernet Serial Server

SE5001

Specifications

Ethernet	
Compliance	IEEE802.3
Port	1-port
Transmission Rate	10/100Mbps Auto-detection
Connector	RJ-45
Auto MDI/MDI-X	Yes
Link Mode	
TCP Server	Single connection or Virtual Com mode
TCP Client	Single destination or Virtual COM mode
UDP	Up to 4 Ranges of IPs
Serial	
Interface	RS-232(SE5001-S2) RS-422/485 software selectable(SE5001-S5) RS-232/422/485 Software selectable(SE5001)
Ports	1-port
Baud Rate	1200bps~230Kbps
Parity	None, Odd, Even, Mark, Space
Data Bits	7, 8
Stop Bits	1, 2
Flow Control	None, Software: Xon/Xoff, Hardware: RTS/CTS
Connector	9-pin D-Sub
Protection	15KV ESD
Power	
Input	DC 5V and 9-30V
Consumption	Max. 1.5W
Environment	
Operating	0°C ~ 60°C (32° ~ 140°F)
Storage	-40° ~ 85°C (-40°~ 185°F), 5 ~ 95%RH
Dimension	
W x H x D	65mm x 78mm x 28mm
Software	
Configuration	Web Page / Telnet / Serial console / Windows utility
Virtual Com	Windows port redirection software
Support Protocol	ICMP, TCP(UDP) / IP, DHCP client, SNMP, HTTP, Telnet

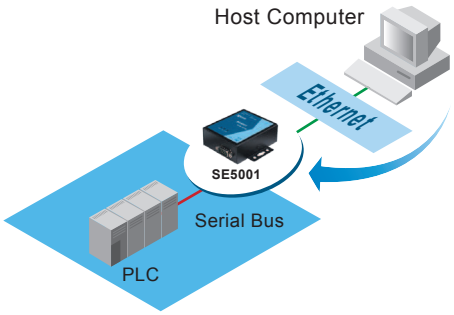
Ordering Information

1P1SE5001S2001G	**SE5001-S2**	1-port RS-232(DB9) serial server without adapter
1P1SE5001S5001G	**SE5001-S5**	1-port RS-422/485(D-Sub) serial server without adapter
1P1SE500100003G	**SE5001**	1-port RS-232/422/485(D-Sub) serial server without adapter

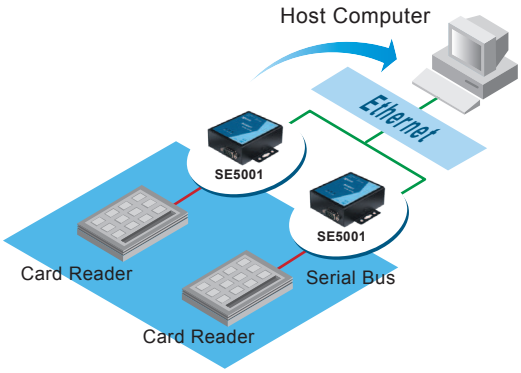
Optional Accessories

Power Adapter	US315-12(US-TB3) P/N:70100000000027G 3-pin Terminal block (5.08 mm) power adaptor, 100-240VAC input, 1.25A @ 12VDC output, US plug
	USE315-12(EU-TB3) P/N:70100000000028G 3-pin Terminal block (5.08 mm) power adaptor, 100-240VAC input, 1.25A @ 12VDC output, EU plug
	UN305-0510(US-DC) P/N:50500051500001G DC jack (3.5/1.35/7.5 mm) power adaptor, 100-240VAC input, 1.0 A @ 5 VDC output, US plug
	UNE305-0510(EU-DC) P/N:50500051500011G DC jack (3.5/1.35/7.5 mm) power adaptor, 100-240VAC input, 1.0 A @ 5 VDC output, EU plug
ADP-DB9(F)-TB5	P/N:59906231G Female DB9 to Female 3.81mm TB5 Converter
DK-25	P/N:30200000000022G DIN Rail Kit

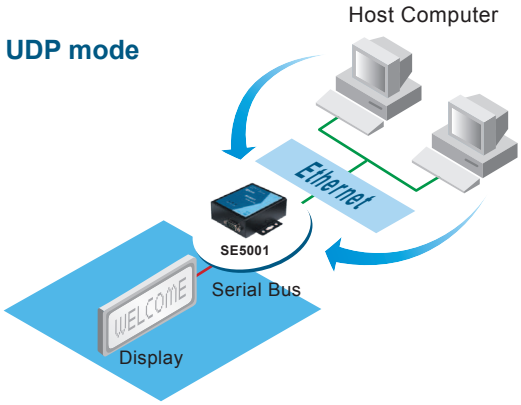
TCP Server Mode



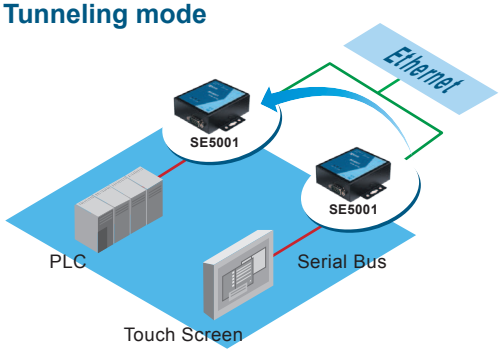
TCP Client mode



UDP mode



Tunneling mode



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