



## 4-Port IP50 Serial Server

■ ■ SE5404D

- 15KV ESD protection for serial signals
- Dual 10/100Mbps Fast Ethernet for redundancy with full duplex auto negotiation
- 4-port RS-232/RS-422/RS-485, baud rate up to 921 Kbps
- Rigid IP50 Metal housing, DIN-Rail and wall mount support
- Support RAW TCP Server/ TCP Client / UDP / Virtual COM / Tunneling Modes
- Configuration: Built-in Web Server /Serial Console/ Telnet / Windows-based Utility
- Monitor, manage and control industrial field devices remotely

### Make Serial Devices Ready to the Network

The Industrial Serial Server SE5404D is a 4-port 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 to Ethernet, SE5404D offers full-duplex, bi-directional data transmission transparent between serial port and Ethernet network.

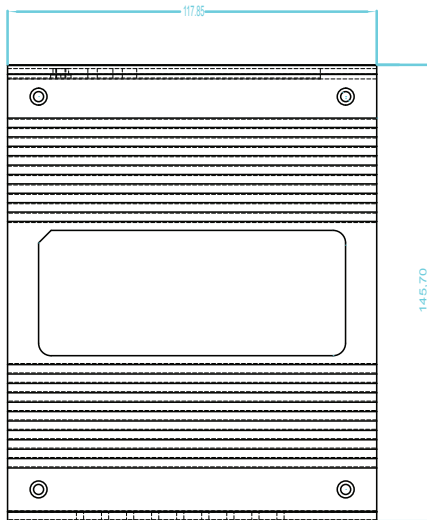
### Easy to Use

Flexible configuration options enable this unit to be setup over Ethernet by Telnet, Web browser, Serial Console, or other utilities. Packed in a rugged metal housing for DIN rail or wall mount with 9~48VDC wide power input range, SE5404D is ideal for almost any industrial and manufacturing automation. Atop Virtual COM software provides existing Windows based applications to access a serial device by mapping to a remote serial server via Ethernet.

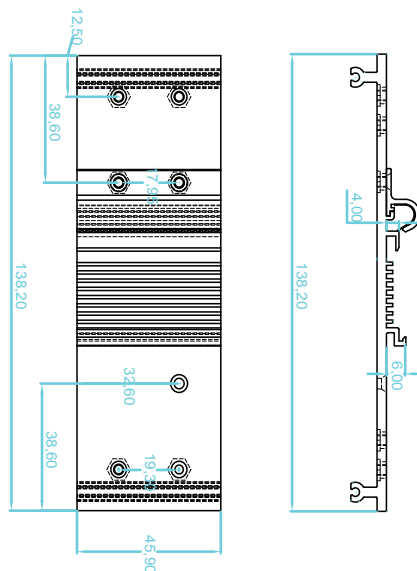
### Specially Designed for Automation Fields

In industrial and manufacturing automation fields, SE5404D 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.

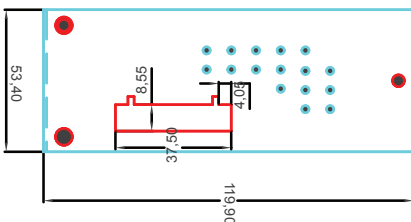
Side View



Rear View



Top View



Dimensions (unit = mm)

# 4-Port IP50 Serial Server



## Specifications

### System

CPU	32-bit 266MHz RISC Processor with MMU
Flash	2+8 MB (2MB for Bootloader)
RAM	32 Mbytes DDR
EEPROM	8K Bytes
Watchdog	Hardware build-in

### Ethernet

Compliance	IEEE802.3
Port	2
Transmission Rate	10/100 Mbps Auto-detection
Connector	RJ-45
Auto MDI/MDI-X	Yes

### Link Mode

TCP Server	Up to 4 connections or Virtual COM / Reverse Telnet modes
TCP Client	Up to 2 destination or Virtual COM mode
UDP	Up to 8 Ranges of IPs

### Serial

Interface	RS-232/422/485 Software selectable(SE5404D) RS-422/485 Software selectable(SE5404D-S5/SE5404D-Sis)
Ports	4 Ports
Baud Rate	300bps~921.6kbps(SE5404D/SE5404D-S5) 300bps~230kbps (SE5404D-Sis)
Parity	None, Odd, Even, Mark, Space
Data bits	5, 6, 7, 8
Stop Bit	1,2
Flow Control	None, Software:Xon/Xoff,Hardware:RTS/CTS
Protection	15KV ESD / 2KV Magnetic Isolation (SE5404D-Sis only)
Connector	9-pin D-Sub / 5-Pin 5.08mm lockable Terminal Block

### Power

Input	9-48DCV, 0.65A max
Consumption	Max. 5.85W
Connector	7-pin 5.08mm connector for redundant power input

### LED

Indicator	COM, LAN, RUN
-----------	---------------

### Approval

EMC	CE Class A, FCC Class A
EMS	EN 55024, EN 61000-4-2 (ESD) Level 3 EN 61000-4-3 (RS) Level 3 EN 61000-4-4 (EFT) Level 3 EN 61000-4-5 (Surge) Level 2 EN 61000-4-6 (CS) Level 3 EN 61000-4-8, EN 61000-4-11
Protection	IP50 Rated (IEC/EN60529)
Vibration	IEC60068-2-64
Shock	IEC60068-2-27
Free-fall	IEC60068-2-32(ISTA Test Procedure 2A)
Safety	IEC/EN60950-1

### Environment

Operating	-40°C~80°C(-40°F~176°F)
Storage	-40°C~85°C(-40°F ~185°F)
Humidity	5%~95% Non-condensing

### Dimension

W x H x D	53.4mm x 145.7mm x 119.9mm
-----------	----------------------------

## Physical

Weight	900g
Installation	DIN-Rail / Wall mount (Optional)
Warranty	5 years

## MTBF

Preceding	188251 hours / 21.5 years (MIL-HDBK-217F)
-----------	---

## Software

Configuration	Web Page / Telnet / Serial console / Windows Utility
Virtual COM	Windows & Linux port redirection software
Supported Protocol	ICMP, TCP (UDP)/IP, DHCP Client, NTP,DNS, SNMP, SMTP, HTTP,Telnet

## Ordering Information

SE5404D	P/N:1P1SE5404D0001G 4-Port Serial Device Server, DIN-Rail, D-Sub
SE5404D-S5	P/N:1P1SE5404D0003G 4-Port Serial Device Server, DIN-Rail, Terminal Block
SE5404D-Sis	P/N:1P1SE5404D0002G 4-Port Serial Device Server, DIN-Rail, Terminal Block, 2KV Magnetic Isolation

## Optional Accessories

Power adapter	US315-12 (US-Y) P/N:50500151120009G Y-Type power adapter, 100-240VAC input, 1.25A @ 12VDC output, US plug USE315-12 (EU-Y) P/N:50500151120019G Y-Type power adapter, 100-240VAC input, 1.25A @ 12VDC output, EU plug
7-pin Terminal Block	P/N:50707871G Lockable 7-pin 5.08mm Pitch Terminal Block with 180° Angle
7-pin Terminal Block	P/N:50707741G Lockable 7-pin 5.08mm Pitch Terminal Block with 90° Angle
Wall Mount kit	P/N:202EH731000003G Black metal wall mount kit
Console Cable	P/N:50891971G 90cm RJ-45 to DB9 female console cable
Grounding Cable	P/N:59906861G 120mm copper woven grounding cable
DB9 to TB5 converter	P/N:59906231G Female DB9 to Female 3.81mm TB5 Converter
Conductive DIN-Rail Kit	P/N:201EH731000005G Conductive silver metal DIN-Rail Kit

## Atop Technologies, Inc.

TEL : +886-3-5508137  
FAX : +886-3-5508131  
sales@atop.com.tw  
http : //www.atop.com.tw

