



## 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 460.8 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.

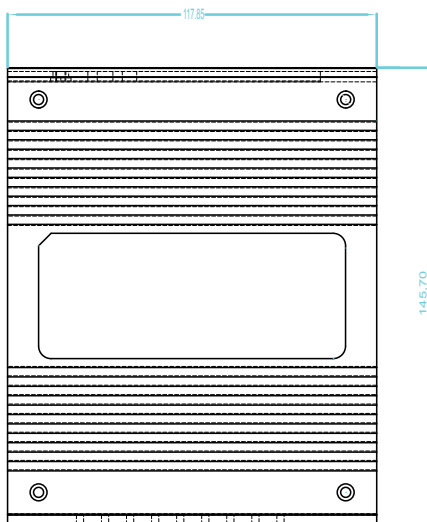
### Easy to Use

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.

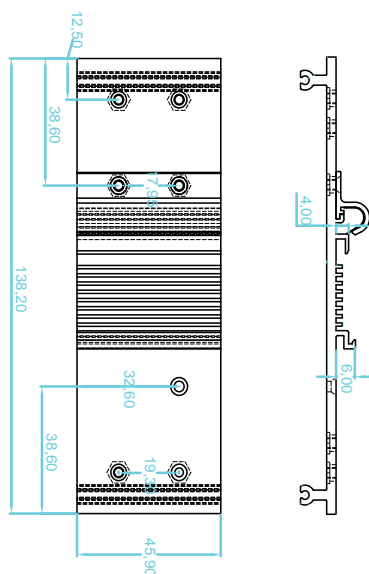
### Specially Designed for Automation Fields

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.

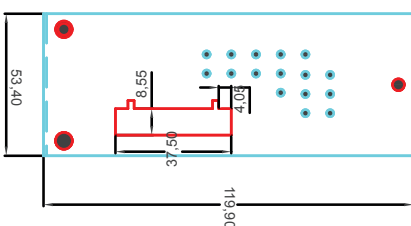
Side View



Rear View



Top View



Dimensions (unit = mm)

# 4-Port IP50 Serial Server



Specifications	
<b>System</b>	
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
<b>Ethernet</b>	
Compliance	IEEE802.3
Port	2
Transmission Rate	10/100 Mbps Auto-detection
Connector	RJ-45
Auto MDI/MDI-X	Yes
<b>Link Mode</b>	
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
<b>Serial</b>	
Interface	RS-232/422/485 Software selectable(SE5404D/SE5404D-TB) RS-422/485 Software selectable(SE5404D-Sis)
Ports	4 Ports
Baud Rate	50bps~460.8kbps (SE5404D/SE5404D-TB) 300bps~460.8kbps (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	8KV ESD / 2KV Magnetic Isolation (SE5404D-Sis only)
Connector	9-pin D-Sub / 5-Pin 3.81mm lockable Terminal Block
<b>Power</b>	
Input	9-48DCV, 0.65A max
Consumption	Max. 5.85W
Connector	7-pin 5.08mm connector for redundant power input
<b>LED</b>	
Indicator	COM, LAN, RUN
<b>Environment</b>	
Operating	-40°C~80°C(-40°F~176°F)
Storage	-40°C~85°C(-40°F ~185°F)
Humidity	5%~95% Non-condensing
<b>Dimension</b>	
W x H x D	53.4mm x 145.7mm x 119.9mm
<b>Physical</b>	
Weight	900g
Installation	DIN-Rail / Wall mount (Optional)
Warranty	5 years
<b>MTBF</b>	
Preceding	188251 hours / 21.5 years (MIL-HDBK-217F)
<b>Software</b>	
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-TB	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:202EH73100003G 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

Regulatory Approvals					
EMC	FCC Class A, CE Class A				
EMS					
Test	Item	Value	Level	Criteria	
IEC 61000-4-2	ESD	Enclosure Contact	6 kV	3	A
		Enclosure Air	8 kV	3	A
IEC 61000-4-3	RS	Enclosure Ports	10 V/m	3	A
IEC 61000-4-4	EFT	Signal Ports	1 kV	3	A
		Power Ports	2 kV	3	A
IEC 61000-4-5	Surge	Signal Ports	2 kV line-to-earth	3	A
		Power Ports	0.5 kV line-to-earth	2	A
IEC 61000-4-6	CS	Signal Ports	10 V	3	A
		Power Ports	10 V	3	A
IEC 61000-4-8	PFMF	Enclosure Ports	1 A/m continuous	1	A

Safety	EN 60950-1:2011
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6
MTBF	21 years
RoHS II	Yes

## Atop Technologies, Inc.

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

Design and specification are subjected to change without notice.  
 All product names referenced herein are registered trademarks of their respective companies.

