

IP 68



RoHS-compliant

## 2-Port IP68 Serial Server

■ ■ SE8502-M12

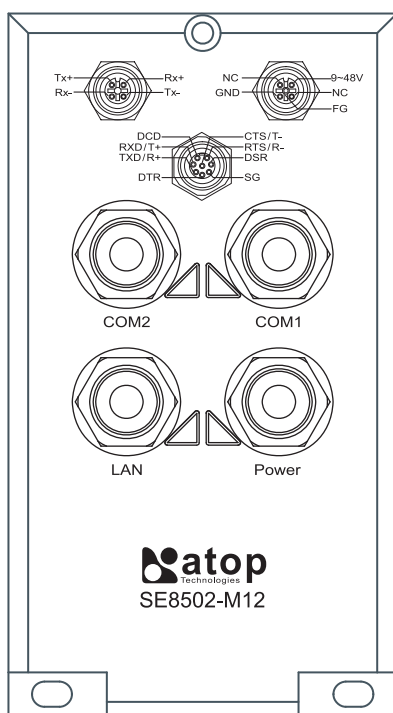
- 15KV ESD protection for serial signals
- 10/100 Mbps Fast Ethernet full duplex auto negotiation
- Support multiple link mode with TCP server/client, UDP and Virtual COM mode
- Monitor, manage and control industrial field devices remotely
- Configuration: Built-in Web Server /Serial Console/ Telnet
- Windows-based utility for IP configuration
- Firmware upgrade remotely via Ethernet
- Rigid aluminum case design compliant with IP68 standard
- Wide operating temperature range : -40°C ~ 75°C

SE8502-M12 is an Industrial 2-port IP68 Serial Server, offering waterproof, dustproof, and vibration-resistant.

There is a strong demand for reliable and rugged networking solutions, that can be used for the industrial workplace in harsh environmental conditions, such as high levels of moisture, dust, heat, electrical interference, and vibration. SE8502-M12 is a device that has IP68-rated housing and M12 metal connectors. It also provides a wide operating temperature range from -40°C ~ 75°C.

### SE8502-M12

#### 2-Port IP68 Serial Server Front Panel



SE8502-M12 supports multiple link mode with TCP server/client, UDP and VirtualCOM, that can be configured by Windows-based utility. In addition, M12 connectors secure a firmly connecting, and prevent loose from vibrating condition, such as in moving vehicles.

## 2-Port IP68 Serial Server



Specifications	
<b>Ethernet</b>	
Compliance	IEEE802.3 10BASE-T / IEEE802.3u 100BASE-TX
Ports	1-Port
Transmission Rate	10/100 Mbps
Connector	4-Pin D-coded Female M12
Auto MDI/MDI-X	Yes
<b>Serial</b>	
Mode	RS-232/422/485 Software selectable / RS-422/485 Software selectable (Sis models)
Ports	2-Port
Baud Rate	110bps~921kbps (SE8502-M12 / SE8502-M12 (DIN-Rail)) 110bps~230kbps (SE8502-Sis-M12 / SE8502-M12-Sis (DIN-Rail))
Parity	None, Odd, Even, Mark, Space
Data bits	5, 6, 7, 8
Stop Bit	1,2
Flow Control	None, Xon/Xoff, RTS/CTS
Connector	8-Pin A-Coded Female M12
<b>Power</b>	
Input Voltage	9-48 VDC
Input Current	0.40A max
Power Consumption	Max. 3.6W
Connector	5-Pin A-coded Female M12
<b>LED</b>	
Indicator	COM, LAN, RUN
<b>Software</b>	
Configuration	Serial Manager / Web UI / Telnet
Virtual COM	Windows / Linux driver
Support Protocol	IPv4, ICMP, TCP, UDP, DHCP Client, SNMP, HTTP, Telnet, RFC2217, NTP, DNS, SMTP
<b>Regulatory Approvals</b>	
EMI	EN 55022 Class A FCC Part 15, Subpart B, Class A
EMS	EN 55024 IEC 61000-4-2 (ESD) Level 3 IEC 61000-4-3:(RS) Level 3 IEC 61000-4-4: (EFT) Level 3 IEC 61000-4-5: (Surge) Level 3 IEC 61000-4-6: (CS) Level 2 IEC 61000-4-8: (PFMP) Level 1 IEC 61000-4-11:(DIP)
Rail Traffic	EN50155, EN50121-3-2, EN50121-4
Protection	IP68 @ 1 hour (IEC/EN60529) under operating mode
Vibration	IEC60068-2-64
Shock	IEC60068-2-27
Freefall	IEC60068-2-32(ISTA Test Procedure 2A)
MTBF	264711 hrs (30.21Years) (Data base: MIL-HDBK-217F, GB 25°C)
RoHS	Yes
<b>Environment</b>	
Operating	-40°C ~ 75°C(-40°F ~ 167°F)
Storage	-40°C ~ 85°C(-40°F ~ 185°F)
Humidity	5% ~ 95% (Non-condensing)
<b>Mechanical</b>	
WxHxD	79.6mm x 144.6mm x 23.6mm
Weight	700g
Installation	Field-style mounting / DIN-Rail mounting
Warranty	5 years

## Environment

Operating	-40°C~75°C(-40°F ~167°F)
Storage	-40°C~85°C(-40°F ~185°F)
Humidity	5%~95% Non-condensing

## Dimension

WxHxD	79mm x 35mm x 144mm
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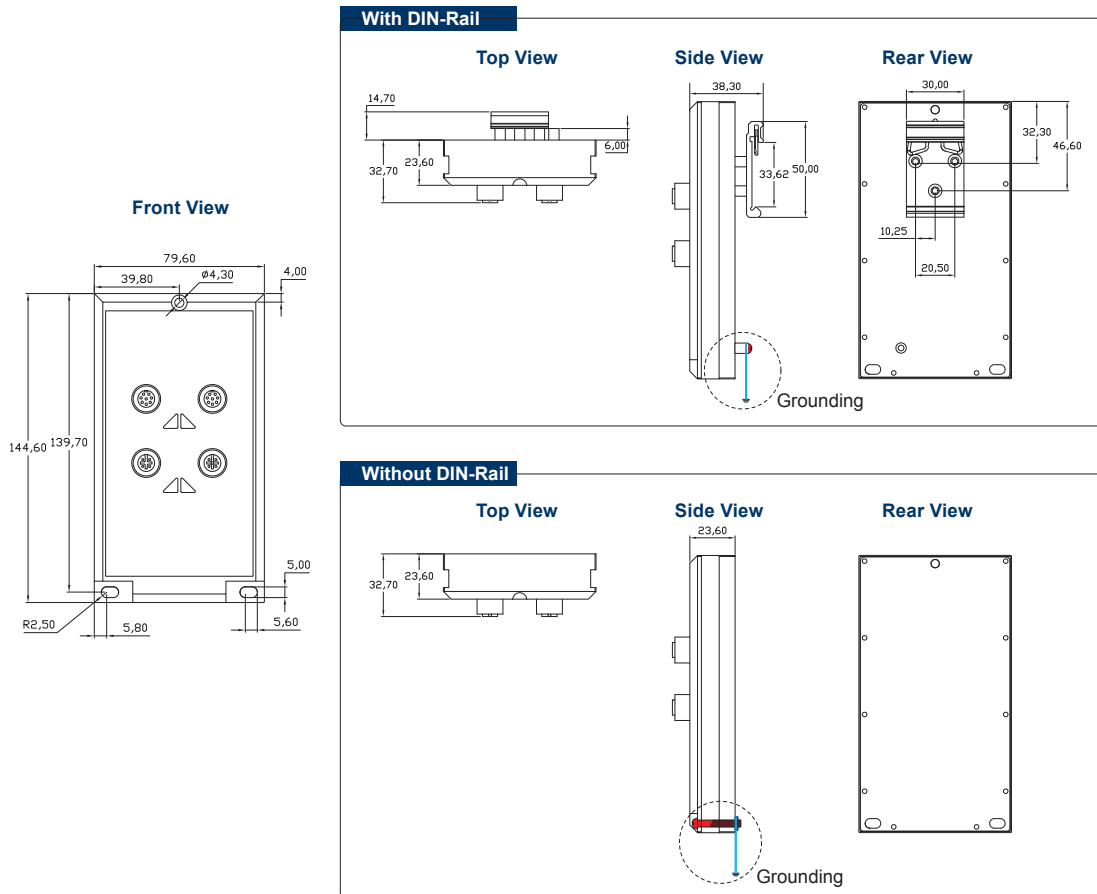
## Physical

Weight	700g
Installation	Field-style mounting DIN-Rail mounting
Warranty	5 years

## Ordering Information

SE8502-M12	IP68 Rated 2-Port Serial Device Server
SE8502-M12 (DIN-Rail)	IP68 Rated 2-Port Serial Device Server with DIN-Rail Mounting Kit

## Mechanical



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IP68 Rated  
IEC/EN60529

