

IP 68



RoHS-compliant

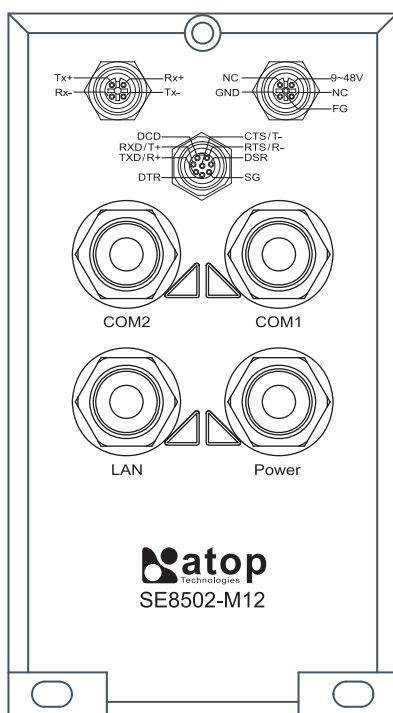
2-Port IP68 Serial Server

■ ■ 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

2-Port IP68 Serial Server Front Panel



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 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 | |
|-----------------------------|---|
| Ethernet | |
| 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 |
| Serial | |
| 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 |
| Power | |
| Input Voltage | 9-48 VDC |
| Input Current | 0.40A max |
| Power Consumption | Max. 3.6W |
| Connector | 5-Pin A-coded Female M12 |
| LED | |
| Indicator | COM, LAN, RUN |
| Software | |
| 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 |
| Regulatory Approvals | |
| 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 |
| Environment | |
| Operating | -40°C ~ 75°C(-40°F ~ 167°F) |
| Storage | -40°C ~ 85°C(-40°F ~ 185°F) |
| Humidity | 5% ~ 95% (Non-condensing) |
| Mechanical | |
| 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 |
|-------|---------------------|

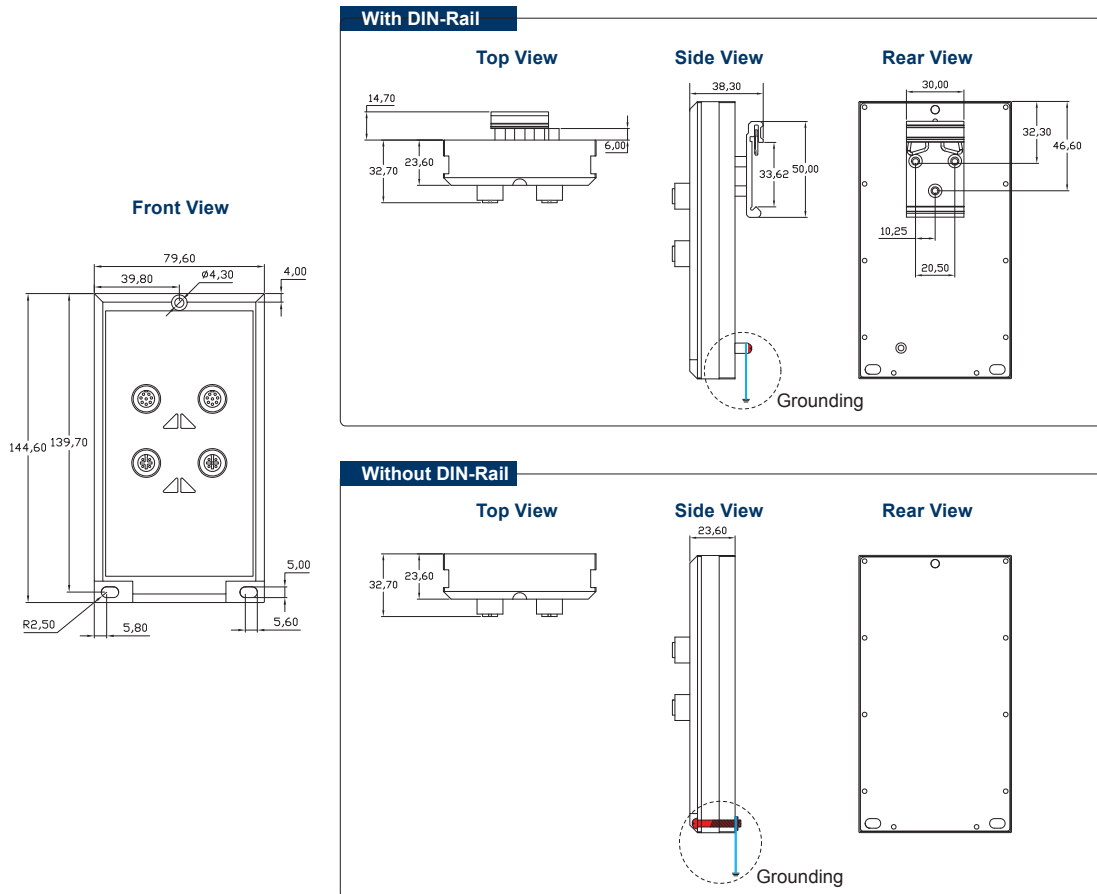
Physical

| | |
|--------------|---|
| 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

