

IP 68



RoHS-compliant

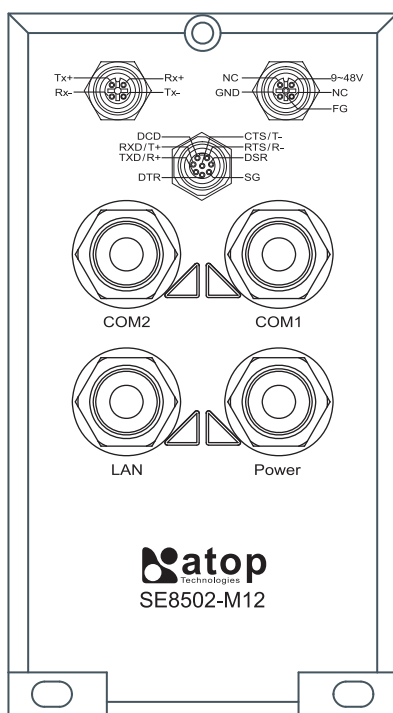
## 2-Port IP68 Serial Server

■ ■ 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    |  |
|-------------------|--|
| <b>Ethernet</b>   |  |
| Compliance        | IEEE802.3  |
| Network Interface | 10/100 Mbps Fast Ethernet Tx+  |
| Port              | One port   |
| Transmission Rate | 10/100M Auto-detection   |
| Connector         | 4-PIN M12 Female A-Coding  |
| Auto MDI/MDI-X    | Yes  |
| <b>Link Mode</b>  |  |
| TCP Server        | Up to 4 connections or Virtual COM mode  |
| TCP Client        | Up to 2 destination or Virtual COM mode  |
| UDP               | Up to 8 Ranges of IPs  |
| <b>Serial</b>     |  |
| Mode              | RS-232/422/485 Software selectable   |
| Ports             | 2 Ports  |
| Baud Rate         | 110bps~921,6kbps   |
| 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   |
| Connector         | 8-PIN M12 Female A-Coding  |
| <b>Power</b>      |  |
| Input             | 9 - 48DCV, 0.4A max  |
| Consumption       | Max. 3.6W  |
| Connector         | 4-PIN M12 Female A-Coding  |
| <b>LED</b>        |  |
| Indicator         | COM, LAN, RUN  |
| <b>Software</b>   |  |
| Configuration     | Web Page / Telnet / Serial console / Windows Utility   |
| Virtual COM       | Windows & Linux port redirection software  |
| Support Protocol  | ICMP, TCP/IP, UDP, DHCP Client, NTP, DNS, SNMP, HTTP, Telnet, SMTP   |
| <b>Approval</b>   |  |
| FCC(EMI)          | FCC Part 15:2007, Subpart B, Class A   |
| CE(EMI)           | EN 55022:2006 Class A<br>EN 61000-3-2:2006<br>EN 61000-3-3:1995+A1:2001+A2:2005  |
| CE(EMS)           | EN 55024:1998+A1:2001+A2:2003<br>IEC 61000-4-2:2001<br>IEC 61000-4-3:2006<br>IEC 61000-4-4:2004<br>IEC 61000-4-5:2005<br>IEC 61000-4-6:2006<br>IEC 61000-4-8:2001<br>IEC 61000-4-11:2004 |
| Rail Traffic      | EN50155, EN50121-4   |
| Protection        | IP68 Rated IEC/EN60529   |
| Vibration         | IEC60068-2-64  |
| Shock             | IEC60068-2-27  |
| Free-fall         | IEC60068-2-32(ISTA Test Procedure 2A)  |
| MTBF              | TBD  |
| 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    |

## Dimension

|       |                     |
|-------|---------------------|
| WxHxD | 79mm x 35mm x 144mm |
|-------|---------------------|

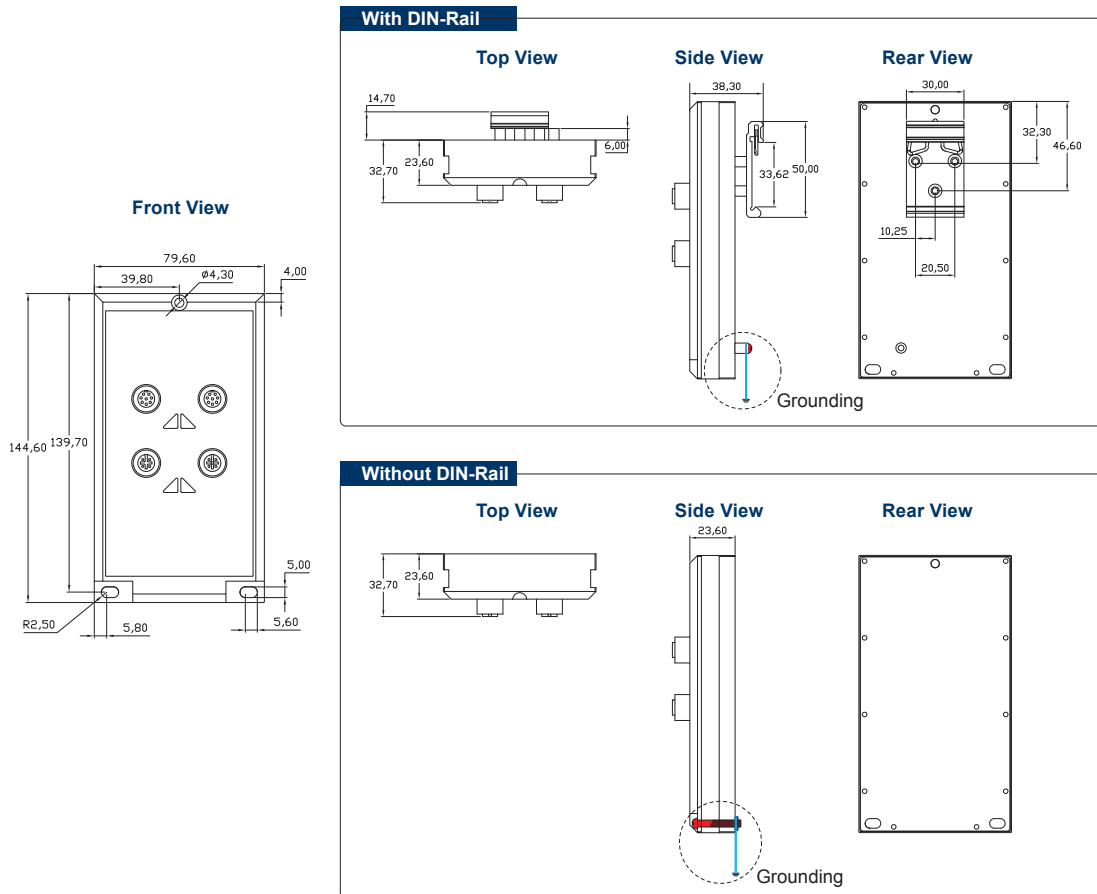
## Physical

|              |   |
|--------------|---|
| Weight       | 700g                                      |
| Installation | Field-style mounting<br>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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