Device Networking Access

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 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.
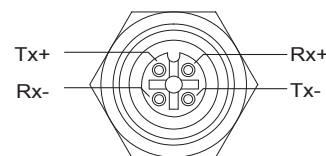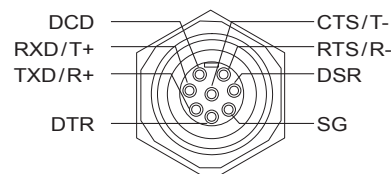
2-Port IP68 Serial Server

SE8502-M12

Specifications	
Ethernet	
Compliance	IEEE802.3
Network Interface	10/100 Mbps Fast Ethernet Tx+
Port	One port
Transmission Rate	10/100M Auto-detection
Connector	M12
Auto MDI/MDI-X	Yes
Link Mode	
TCP Server	Up to 4 connections or Virtual COM mode
TCP Client	Up to 2 destination or Virtual COM mode
UDP	Up to 8 destination
Serial	
Interface	RS-232/422/485 Software selectable(non-isolation)
	RS-422/485 Software selectable(Isolation)
Ports	2 Ports
Baud Rate	110bps~921.6kbps(non-isolation)
	110bps~230kbps(Isolation)
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	M12
Power	
Input	9-48DCV, 0.4A max
consumption	Max. 3.6W
LED	
Indicator	COM, LAN, RUN
Approval	
EMC	CE Class A, FCC Class A
Protection	IP68 Rated IEC/EN60529
Vibration	IEC60068-2-64
Shock	IEC60068-2-27
Free-fall	IEC60068-2-32(ISTA Test Procedure 2A)
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
Warranty	5 years
MTBF	
Preceding	TBD
Sofetware	
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

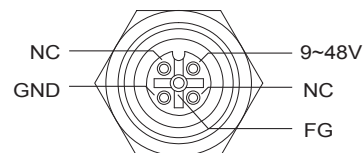| Ordering Information	
SE8502-M12	IP68 Rated 2-Port Serial Device Server
SE8502-M12-Sis	IP68 Rated 2-Port Serial Device Server, 2KV Isolation

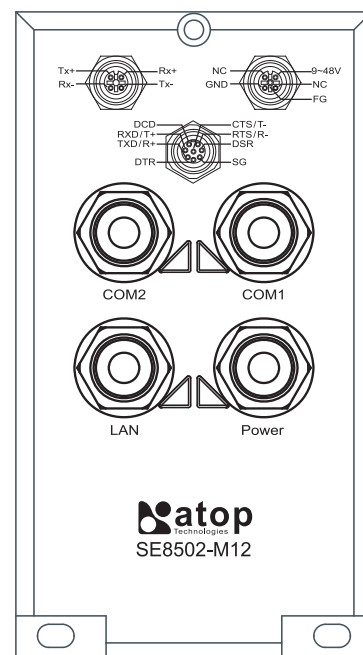## Connector Pin Assignments

LAN Port Pin Assignment

Tx+ — Rx+
Rx- — Tx-

Selectable Serial Port Pin Assignment

DCD — CTS/T-
RXD/T+ — RTS/R-
TXD/R+ — DSR
DTR — SG

Power Port Pin Assignment

NC — 9~48V
GND — NC
— FG

SE8502-M12
2-port IP68 Serial Server
Front Panel

CA_SE8502-M12_E : v1.1-110104