

# EX9000 SERIES

New interface of remote I/O module

## Fiber Optic to RS232/422/485 converter

### EX9541/EX9542

- Full-duplex, bidirectional transmission mode
- Avoids lightning strikes and EMI/RFI interference
- EX9541: Multimode optical fibers allow transmission distances up to 2.5Km
- EX9542: Single mode optical fibers allow transmission distances up to 15Km
- Transmission rate up to 115Kbps
- Direct plug-and-play
- Easily mounted on a DIN-rail, panel or piggyback
- Prevents damage from electronic discharge
- Stable and error-free data transmission
- Automatic internal RS485 bus supervision
- No external flow control signals required for RS485
- Transient suppression and over-current protection on RS422/485 data lines
- Reserved space for termination resistors
- LED for power and data flow indication
- Power requirement: +10 to +30VDC



## Ethernet to Fiber Optic Converter

### EX9543, EX9543/G (1000Mbps)

EX9543 is a Fast Ethernet 100 Base-TX to Fiber 100 Base-FX converter. It features one fiber port with SC, ST, MT-RJ or VF-45 connector and one twisted pair port with RJ-45 connector. It converts electrical signal from 100 Base-TX side into optical signal at 100 Base-FX side and vice versa.

Support Fast Ethernet 100Base-TX and 100 Base-FX

Multiple choices for fiber connectors:

SC / ST / MT-RJ / VF-45 for multi-mode and single-mode

- Fiber Cable: 50/125, 62.5/125, or 100/140µm multi-mode  
80/125, 8.7/125, 9/125 or 10/125µm single-mode
- Data Transfer Rate: 100Mbps auto-duplex-negotiation  
100Mbps for half-duplex mode  
200Mbps for full-duplex mode
- LED Indicators: FX Tx, Link, TX Tx, Link, FDX, POWER
- Power Requirement: 1A @ +5V (from MII Connector)
- Ambient Temperature: 0°C to 50°C
- Humidity: 5% to 90%

