

### 10/100 Ethernet to fiber Media Converter, Model SC09FEN I



Model SC09 provides a cost effective plug-and-play solution for long-range 10Base-T or 100Base-TX Ethernet extensions. It has an added benefit of 10/100 Auto-negotiation, making it the perfect choice when planning future upgrades of 10Base-T networks. Built-in auto-sensing capabilities enable full or half-duplex Ethernet operation with no configuration required.

- IEEE802.3 10Base-T, 100Base-TX, 100Base-FX
- MDI/MDI-X, 10M/100M Auto negotiation
- Supports full-duplex / half-duplex, Point-to-point transfer
- Link Fault Pass Through (LFPT)
- Power Supply Internal 110V AC or 230V AC. Other AC / DC voltages available on request

#### Ethernet Port

Standard	: IEEE802.3 10 Base-T, 100Base-T, 100Base-F
RJ45 port rate	: 10/100Mbps Auto negotiation, Forced 10 or 100 through DIP on board
Optic port rate	: 100Mbps
Ethernet transmission distance	: 100m
Fiber transmission	: 20 to 120Km (single-mode), 2Km (multi-mode)
RJ45 port connector	: RJ45
Optic port connector	: SC, ST or FC
Isolation	: Magnetic, 1.5KV

#### Fiber Port

Single-mode	: 8.3/125, 8.7/125, 9/125 or 10/125µm
Multi-mode	: 50/125, 62.5/125µm
Wavelength	: 1310nm (2Km, 20km, 25Km, 40Km), 1550nm (40Km to 100 Km)
Tx Power	: - 7 to -12dBm @ 1310nm
Rx Sensitivity	: ≥ -36dBm @ 1310nm
Power Budget	: 24 to 29 dB

#### Indications

6 Led's Power, Fiber Link, Ethernet Link, Full Duplex/Half Duplex, Ethernet 10/100 Mbps, Fiber 100Mbps

#### Power Supply

Internal	: 230VAC. Range 110 to 265 VAC, 3 pin screw type terminal : 24, 48, 110, 220V DC, Range +/- 10%, 3 pin screw type terminal
Power Consumption	: < 4W

#### Mechanicals

Dimension	: 115*34*97mm ( H×W×D ) without DIN Clamp & Connectors
Mounting / Enclosure	: DIN Rail
Weight	: 260g

#### Environment

Operating temperature	: -10°C to 70°C
Storage temperature	: -20°C to 70°C
Relative humidity	: 5% to 95% Non Condensing
MTBF	: > 100,000 hrs

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Connecting. Converting. Leading !

**Model no's SC09FEN-M/SXXX-SC/ST-Y-ZZZ-I**

Base Model : SC09FEN  
M/SXXX : M : Multimode, S : Single Mode, XXX = 20, 40, 80, 100Kms ( For Single mode )  
SC/ST : SC : SC Connector, ST : ST Connector  
Y : A-AC, D-DC  
ZZZ : ZZZ-230 for AC, 24, 48, 110, 220 for DC  
I : Internal Supply. No Adapter