

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.

- 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 10Base-T, IEEE 802.3u 100BaseT(X) and 100Base-FX IEEE802.3x Full Duplex and Flow Control
RJ45 port rate	: 10/100Mbps Auto negotiation, Forced 10 or 100 through DIP on board
Ethernet transmission distance	: 100m
RJ45 port connector	: RJ45
Isolation	: Magnetic, 1.5KV

Fiber Port and Cable

Optic port rate	: 100Mbps
Fiber transmission	: 20 to 120Km (single-mode), 2Km (multi-mode)
Optic port connector	: SC, ST
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 Terminal block : 24, 48, 110, 220V DC, Range +/- 10%, 3 pin Terminal block
Power Consumption	: < 4W

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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 : > 300,000 hrs

Ordering Code : SC09FEN M/SXXX SC/ST Y ZZZ I

Base Model : SC09FEN
M/SXXX : M : Multimode, S : Single Mode
 XXX = 20, 40, 60, 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

