

### 10/100/1000 Ethernet to Fiber Media Converter, Model SC09FEDG A N



Model SC09FEDG provides a cost effective plug-and-play solution for long-range 10Base-T, 100Base-TX and 1000Base-TX Ethernet extensions. It has an added benefit of Auto-negotiation, MDI/MDI-X making it the perfect choice when planning future upgrades of Ethernet networks. Built-in auto-sensing capabilities enable full or half-duplex Ethernet operation with no configuration required

#### Communication

Standard	: IEEE802.3 10Base TX, IEEE802.3u 100Base TX/FX, IEEE802.3ab 1000Base-T, IEEE802.3z, 1000BaseFX, IEEE802.3X Flow control
RJ45 port rate	: 10/100/1000 Mbps, Auto negotiation, MDI/MDI-X
Optic port rate	: 1000Mbps
Ethernet transmission distance	: 100m
Flow Control	: Full-duplex, Back-pressure flow control for half-duplex model
Fiber transmission	: 20 Km (single-mode), 550m (multi-mode)
Optic port connector	: SC, ST or FC

#### Optic port cable

Single-mode	: 8.3/125, 8.7/125, 9/125 or 10/125µm
Multi-mode	: 50/125, 62.5/125µm
Wavelength	: 1310nm / 1550nm ( for distance more than 40 Km upto 100Km)
Tx Power	: -7 to -12 dBm @ 1310nm
Rx Sensitivity	: ≥ -35 dBm @ 1310nm

#### LFPT ( Link Fault Pass Through )

Delay	: 1.934 sec
BER	: < 1/1000000000
MTBF	: 3 years
Throughput	: 1488096pps
Backplane/bandwidth	: 3G

#### Environment

Operating temperature	: -10°C to 65°C
Storage temperature	: -20°C to 70°C
Relative humidity	: 5% to 95% Non Condensing

#### Power supply

External Adapter	: 230V AC
Power Consumption	: < 4W

#### Mechanicals

Dimension H×W×D	: 26mm×70mm×93mm without mounting plate
Mounting / Enclosure	: Table Top
Weight	: 230g

#### Product Ordering Code : SC09FEDG M/SXXX ST/SC A N

Base Model	: SC09FED
G	: Giga version
M/SXXX	: Multimode / Single Mode XXX = 20, 40, .....100 Kms
ST/SC	: ST/SC Connector
A	: AC External Adapter
N	: Fixed