



SC Port 10/100/1000M



FC Port 10/100/1000M

Description:

CE-SM9001 10/100/1000Mbps single fiber single mode Gigabit Ethernet media converter adopts switching technology to fulfill media conversion. It complies with IEEE802.3, IEEE802.3u, IEEE802.3z and IEEE802.3ab standards. Presently it supports media network connections: 10Base-T/100Base-TX/1000Base-T, and 1000Base-SX/LX, inter-converting electrical signals of 10Base-T/100Base-TX/1000Base-T twisted pairs with optical signals of 1000Base-SX/LX. It extends the transmission distance of network from 100m via copper cable to 100km via fiber optical cables.

It supports transmission in multi-mode dual fiber(CE-MM9002), single mode dual fiber(CE-SM9002) and single mode single fiber(CE-SM9001).

Features:

- Supporting inter-conversion between adaptive 10Base-T/100Base-TX/1000Base-T with 1000Base-SX/LX
- 10/100/1000M media converter with SFP slot is available(optional)
- Supporting full-duplex and half-duplex and its auto-sensed
- Supporting auto-sense of MDI/MDI-X, facilitating system commissioning and installation
- Supporting the transmission of extra-long VLAN packets
- Supporting Quality of Service (QoS) and ensuring the transmission of VoIP packets;

Technical:

Access mode	10/100/1000Mbps Gigabit Ethernet
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3ab 1000Base-T , IEEE802.3z 1000Base-SX/LX Gigabit Ethernet
Wavelength	850nm/1310nm/1550nm



Transmission distance	multi-mode Dual-fiber: 0.55km
	single mode Dual-fiber: 20/40/60/80 Km
	single mode Single fiber: 20/40/60/80 Km
	Category-5 twisted pairs: 100m
Port	One RJ45 port: for connecting with STP/UTP category-5 twisted pairs
Optical port:	Multi-mode Dual-fiber: SC/LC/ST(SFP) (50, 62.5/125μm)
	Single mode Dual-fiber: SC/FC/ST/LC(SFP) (9/125μm)
	Single mode Single fiber: SC/FC/ST/LC(SFP) (9/125μm)
Conversion means	Media conversion
BER	$<10^{-9}$
MTBF	100,000 hours
LED indicator	POWER (power supply), FX LINK (optical link action), TP LINK1000 (TP cable rate1000M), TP LINK100 (TP cable rate 100M), TP ACT (TP cable packet forwarding action)
Power supply	AC90V-260V(internal power)
	DC-48V,DC24V,DC12V,DC5V (external power)
Power consumption	5W
Operating temperature	-10~55°C
Operating humidity	5%~90%
Maintaining temperature	-40~70°C
Maintaining humidity	5% ~ 90% non-condensing
Dimensions	71mm (W) * 94mm (D)*26 mm (H) (external power supply,)