

## TS-MC410SM:10/100/1000M Media converter dual fiber single mode, SC fiber 40KM, 1550nm

### Overview:

TS-MC410SM 10/100/1000Mbps adaptive 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 two types of media network connections: 10Base-T/100Base-TX/1000Base-T, and 1000Base-SX, inter-converting electrical signals of 10Base-T/100Base-TX/1000Base-T twisted pairs with optical signals of 1000Base-SX. It extends the transmission distance of network via copper cable to 40km via fiber optical cable. It supports transmission in single-mode dual fiber



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### Features :

- According to IEEE802.3, IEEE802.3u, 10/100Base-TX, 100Base-FX standard.
- Support IEEE802.3X flow control function.
- Ethernet port support 10/100M, full-duplex and semi duplex auto-negotiation.
- Ethernet port Auto-MDI/MDIX auto flip, parallel/across twisted-pair auto-negotiation.
- Support storage transmission and direct transmission.
- Ultra-low time-delay data transmission, completely transparent to the network protocol.
- Link failure alarm (LFP) function.
- Built-in 128K BRAM data buffer, support 1600 Bytes long data packet.
- 9/125um single mode fiber link transmission distance up to 40KM.
- Modulation configuration design, chassis support power supply for cassette media converter.
- Support hot-swappable, plug and play.
- 6LED indicator, dynamic feedback link connection state and fault detection.
- Built-in 8bit DIP switch, user's easily adjust the various of transmission and working mode (intelligence Type).
- Built-in lightning protection circuit, significantly reduce the damage caused by thunderbolt induction. Average working time more than 100,000 hours without failures.

### Specifications:

Parameter	Specifications
Access mode	10/100/1000Mbps Gigabit Ethernet
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX Fast Ethernet, IEEE802.3ab 1000Base-T , IEEE802.3z 1000Base-SX Gigabit Ethernet

Wavelength (Monomode)	1550nm Single mode: 8.3/125, 8.7/125, 9/125or10/125μm
Transmission distance (Monomode)	40km
Port	One RJ45 port:  Connecting with STP/UTP category-5 twisted pairs, EIA568A/B  One optical port:
BER	<10 <sup>-9</sup>
MTBF	100,000 hours
LED indicator	POWER (power supply), FX LINK (optical link action)  TP LINK1000 (TP cable rate 1000M), TP LINK100 (TP cable rate 100M)  TP ACT (TP cable packet forwarding action), FDX (TP full duplex operation)
Power supply	External: AC90~264V/DC100~380V input, 5V 2A output
Power consumption	Max. 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)