


TECHNICAL SPECIFICATION MC SC SM 10/100M



Product Code: NTPL-FSMC1310 / NTPL-FSMC1550

- 10/100Mbps auto-sensed, facilitating network upgrade
- Built-in efficient switching core to implement flow control and reduce broadcast packets
- full-duplex and half-duplex auto-sensed
- Supporting automatic cross connection of twisted pair interfaces, facilitating system commissioning and installation
- Supporting Link Failure Alert (LFA) with optional dip-switch(unique)
- Supporting 10/100Mbps store-and-forward and 100Mbps cut-through transmission with optional dip-switch(unique)
- Supporting the transmission of extra-long packets up to 1600 bytes
- Supporting the transmission of extra-long VLAN packets
- Supporting Quality of Service (QoS) , ensuring the transmission of VoIP packets
- Supporting STP to form a redundant network
- Extremely low power consumption, low heat, stable performance and long lifetime

Features / Specifications

Access mode	10/100Mbps	
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3x Flow control, IEEE802.1q VLAN, IEEE802.1p QoS, IEEE802.1d Spanning Tree	
Wavelength	1310/1550nm	
Transmission distance	Multi-mode: 2 km; Single-mode: 20~100km; Category-5 twisted pairs: 100m	
Port	One RJ45 port: For connecting STP/UTP category-5 twisted pairs, One optical port: MM: SC/ST/FC (fiber size: 50,62.5/125 μ m), SM: SC/ST/FC (fiber size: 9/125 μ m)	
Conversion means	Media conversion, store-and-forward/cut-through	
MAC address table	1K	
Buffer space	1Mbit	
Flow control	Full duplex: flow control; Half duplex: back pressure	
Delay	Store-and-forward: 9.6 μ s; cut-through: 0.9 μ s	
BER	<10 ⁻⁹	
MTBF	100,000 hours	
LED indicator	PWR (power supply); FX LINK/ACT (optical link/action) FDX (FX full duplex), TP LINK/ACT (twisted pairs link/action) TP 100 (100M transmission rate of twisted pairs), FX 100 (100M transmission rate of optical fiber)	
Power supply	DC5V 1A (external), AC220 0.5A/DC-48 (internal)	
Power consumption	<2W	
Operating temperature	-10~55 $^{\circ}$ C	
Operating humidity	5%~90%	
Maintaining temperature	-40~70 $^{\circ}$ C	
Maintaining humidity	5% ~ 90% non-condensing	
Dimensions	26mm (H) * 70mm (W) * 94 mm (D) (external power supply) 30mm (H) * 110mm (W) * 140 mm (D) (internal power supply)	
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