

TECHNICAL SPECIFICATION 10/100/1000BASE-T /SX/LX SFP Gigabit Media Converters



Product Code: NTPL-FMCG20SM-SFP-1310 / NTPL-FMCG20SM-SFP-1550

- Complies with IEEE 802.3 10Base-T, IEEE802.3U 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE802.3z 1000Base SX/LX
- TP port supports 10/100/1000Base-T auto-negotiation and auto-MDI/MDI-X.
- 1000Base-SX: 50/125 μ m or 62.5/125 μ m multi-mode fiber cable, up to 500m
- 1000Base-LX: 9/125 μ m single-mode cable provides long distance for 20/40/60km
- 1000Base-LX WDM interface for up to 20/40/60km (single-mode fiber 9 μ m/125 μ m)
- 1000Base-T: 2-pair Cat. 5/5e/6 UTP cable, up to 100 meters.
- Layer 2 key Features
 - IEEE 802.3x full-duplex flow-control and back-pressure in half-duplex eliminate the loss of packets
 - Supports auto MDI/MDI-X function
 - Store-and-Forward mechanism
 - Non-blocking full wire-speed forwarding rate
- Media conversion between 10/100/1000Base-T and 1000Base- SX/LX.
- Fiber media allows: Multi-mode / Single-mode fiber using SC/LC/WDM connector
- Wall-mountable design Compact in size, easy installation
- LED indicators for easy network diagnostics
- Provides DIP switch for LFP function (Disable / Enable) setting
- OAM TS-1000 supported
- 9K Jumbo Frame Supported
- Choice of fiber-connector from SC, LC and WDM, Multi-mode / Single-mode fiber for 1000Base SFP interface

Features / Specifications

Access mode	10/100/1000Mbps
Standard	IEEE 802.3, 10BASE-T / IEEE 802.3u, 100Base-TX / IEEE 802.3ab, 1000Base-T / IEEE 802.3z, 1000Base-SX/LX
Ports - Copper Interface	RJ-45 port (Auto-MDI/MDI-X) Twisted Pair
Ports - Optical Interface	LC(SFP)
LED Indicator	· PWR · TP LINK/ACT, 1000 · Fiber LINK/ACT
DIP Switch	LFP function (Disable / Enable) setting
OAM	TS-1000 and IEEE 802.3ah Terminal mode
Multi-mode Cable	50/125, 62.5/125 μ m
Single-mode (SM) Cable	9/125 μ m
Jumbo Packet Size	9K
Power Consumption	4.6 watts / 15 BTU (maximum)
Power Input	DC 5V / 2A
Operating Environment Temperature	0~50° C
Humidity	5~90% non-condensing
Storage Environment Temperature	-40~70° C
Humidity	5~90% non-condensing
Emissions	FCC Class A, CE Class A
Dimensions	(W x D x H) 26 x 70 x 97 mm
Weight	0.2kg



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