NS-MC-SFP 1000M Fiber Ethernet Media Converter with One SFP Slot

1. Overview

The 1000M Fiber Ethernet Media Converter series is designed to meet the massive needs for network deployment and able to extend a copper based Fast network via fiber cable to a maximum distance up to 120km. IEEE802.3U, 1000Base-TX, 1000Base-FX standards. The installation & operation
procedures are simple & straightforward. Operation status can be locally monitored through a set of Diagnostic LED lamps located in the front panel.

2. Features

- 1000Base-T to 1000Base-F SFP Media Converter
- Standards: IEEE802.3 & 802.3u, 1000BASE-T, 1000BASE-F
- Interface: 1 x RJ45 connector, 1 x SFP slot
- LED Indication: PWR, FX-LINK/ACT, FDX/COL, 1000M , TX-LINK/ACT
- Supports flow control for full and half duplex operation
- Supports link fault pass through function (LFP)
- Support auto MDI/MDI-X function for RJ45 ports
- Support Switch Setting function (Dip Switch)
- Passed maximum frame size 1522 bytes
- External Power: DC5V 1A   Built-in: AC220V/DC-48V
- Low power consumption, low heat, reliable and stable performance, and long lifetime
- Options in single mode in dual fiber. multimode in dual fiber, and single mode in single fiber
- Comply FCC 15 Class A, CE, RoHS

3. Installation

- Attach fiber cable from the media converter to the fiber network. The fiber connections must be matched

transmit socket to receive socket, the TX ,RX fiber cable must be paired at both ends .

● Attach a UTP cable from the 1000BASE-T network to the RJ-45 ports on the media converter .

● Connect the power adapter to the media converter and check that the Power LED lights up. The LINK/ACT LEDs will light up when all the cable connections are satisfactory.
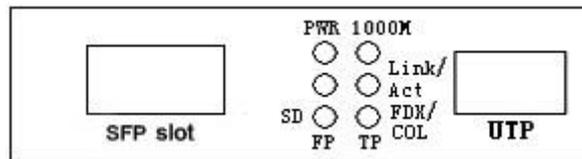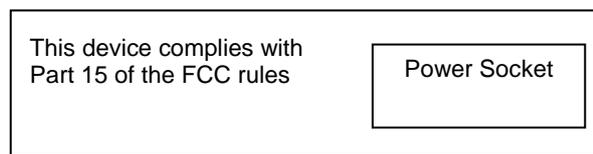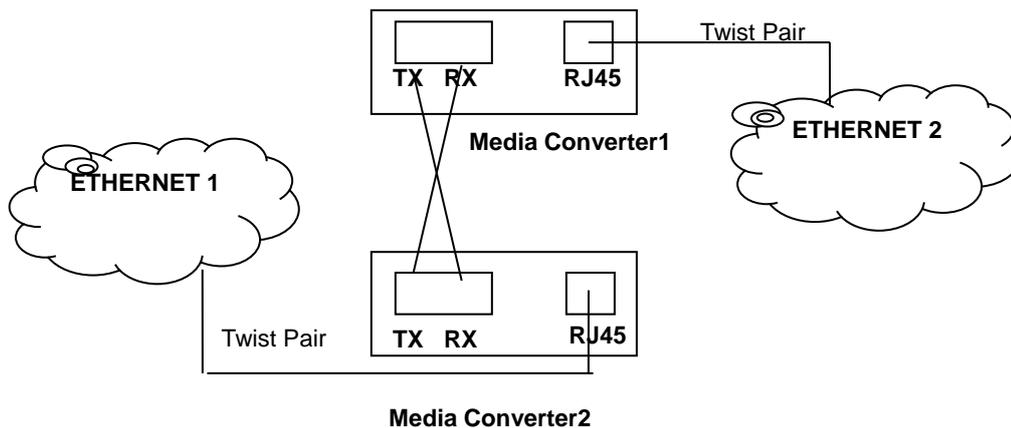

Fig1. Front View

Fig2. Back View

4. LED FUNCTION DISCRIPTION

LED indicator lamp	Status	Explanation
FX Link/Act	ON	Power is on
	OFF	Power is fail
TX Link/Act	On	Link is ok
	OFF	Link is fail
FDX/COL	On	Fiber link is ok
	Off	Data has been received or transmitted
	Blink	Fiber link is fail
1000M (UTP port speed)	ON	1000M speed
	OFF	100M speed
RX	ON	Fiber signal is detected
	Blink	Data has been received or transmitted
	OFF	Link is fail
DUP	ON	Full Duplex
	OFF	Half Duplex

5. PARAMETERS

Parameter	Specification
Access mode	1000Mbps
Standard	IEEE802.3& IEE802.3u
Transmission Distance	Multi-mode 2Km
	Single-mode 20/40/60/80/120Km
	Category-5 twisted pair 100m
Port	RJ-45 Port: Connecting with STP/UTP category 5 twisted pair
	Optical Port: LC
Conversion means	Media conversion, store-and-forward
Error Rate	$<10^{-9}$
LED indicator	POWER(power supply) FX Link/ACT (fiber link/action)
	TX Link/ACT(RJ45 link/action) FX1000M (fiber rate 1000M)
Power External	DC5V 1A
Power Consumption	3.5W
Operating Temperature	0° C- 70° C
Operating Humidity	5%-90%
Dimensions	26mm (H) x 70mm (W) x 95mm (D) External Power Supply