EX-9543-MM/SM/SM4 User's Manual

V1.3

10/100TX / 100FX Fiber Optic Converter

Fully compliant with the IEEE 802.3u 10/100Base-TX / 100Base-FX Standard

10/100TX / 100FX Fiber Optic Converter

It is a Fast Ethernet 10/100Base-TX to Fiber 100Base-FX converter, which is fully compliant with the IEEE 802.3u standard, features one fiber port using SC or ST connector and one STP RJ-45 10/100Base-TX port. It supports conversion of Fast Ethernet 10/100Base-TX port to fiber optic cabling. It is automatic for either full or half duplex mode. Full-duplex cabling provides bandwidth of up to 200Mbps and allows for transmission distance up to 2 km over multi mode fiber or up to 120 km over single mode fiber. It also provides 8 Jumpers for advanced function setting, such as fix mode duplex, speed, Flow control…etc.

Specifications

- IEEE802.3u Fast Ethernet 10/100Base-TX and 100Base-FX standards
- Features STP and Fiber connector
    - ….. RJ45 and SC connector (multi-mode)
    - ….. RJ45 and SC connector (single-mode / single-fiber)
    - ….. RJ45 and SC connector (single-mode / dual-fber)
    - ….. RJ45 and ST connector (multi-mode)
- Data Transfer Rate: 10/100Mbps(half duplex), 20/200Mbps(Full duplex)
- Auto-MDIX for STP 10/100 port

- Support Store-and-Forward and Modified Cut-and-through mode
- Support Upto 1600 bytes packet size.
- Support 802.3x collision base backpressure.
- TX Duplex Mode: Full or Half duplex mode (default : Auto-Negotiation)
- LED: Power, speed, FX Link/Act, TX Link/Act and half/full duplex
- Power Requirement: Max. 2.5 Watt (external switching power adapter DC5V /1.5A)
- Ambient Temperature: 0   to 40
- Humidity: 5% to 90% RH(operating)
- Dimension: 22(H) x 110(W) x 75 mm (L)
- Cable:
  UTP: Cat. 5 UTP cable
  Fiber: 62.5/125um multi-mode fiber optic cable, upto 2Km
      10/125um single-mode fiber optic cable, upto 100Km depends on the fiber transceiver.
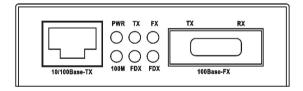
10/100TX / 100FX Fiber Optic Converter

Package Contents

Before going any further, please make sure that you have

the following parts in this package.

- One fiber media converter
- One External AC to DC power adapter (5VDC, 1.5A)
- One user's manual

Note: Please DO NOT use any other power adapter for

the media converter to avoid possible damage.

Panel Contents:

LED	Mark	State	Description
POWER	PWR	ON	Power is received
		OFF	Power is not received
100Mbps	100M	ON	TP port work on 100M speed
		OFF	TP port work on 10M speed
TX Link/Act	TX	ON	A TX port good Link status has been established.
		Blinking	During Data Transfer or Receiving
FX Link/Act	FX	ON	A FX port good Link status has been established.
		Blinking	During Data Transfer or Receiving
Full Duplex	FDX	ON	TX/FX port working on Full duplex mode

Port Description:

Port	Mark	Description
TX	10/100Base-TX	It is connected to LAN card or connected to hub
100FX	100Base-FX	It is connected to other end of Fiber Optic Transceiver.

Note : The TX port support **Auto-negotiation for 10/100M and Auto-MDI/MDIX capability.

EX-9543-MM/SM Real Panel

Converter Advance function Setting :

DIP 1	ON	Enable LLCF Function
	OFF	Dis-able LLCF Function (default)
DIP 2	ON	TP port supports auto-negotiation with limited capability (defined in DIP 4)
	OFF	TP port supports auto-negotiation with 10M/100M, full/ half capability (default)
DIP 3	ON	802.3X enable on TX and FX port
	OFF	802.3X disable on TX and FX port (default)
DIP 4	ON	Set TX port work has 10M speed ability (Valid when DIP 2 ON)
	OFF	Set TX port work has 100M speed ability ONLY (Valid when DIP 2 ON), (default)
DIP 5	ON	Set TX port has Half Duplex ability (Valid when DIP 2 ON)
	OFF	Set TX port has Full Duplex ability (Valid when DIP 2 ON), (default)
DIP 6	ON	Set FX port on Half Duplex mode
	OFF	Set FX port on Full Duplex mode(default)

Ordering Information:

EX-9543-MM/SM/SM4 :
10/100TX to 100FX Fiber Optic Converter
SC connector, Multi-mode 2KM