

10/100Base-TX to 100Base-FX

Description

The WFT Fast Ethernet Media Converter is designed to connect the 10/100Base-TX Ethernet adaptor card or 10/100Base-TX Network to a 10/100Base-TX device. The converter works by simply repeating the signals from 10/100Base-TX to suitable format for transmission over fiber cables to the 100Base-FX link. Simply upgrade twisted pair networks to fiber and the problems of difficult installations associated with traditional converters.



Feature

- Compact size and cost-effective
- Compliant with IEEE 802.3 10BaseT and IEEE 802.3u 100BaseTX/100BaseFX Standards
- Supports TP port auto-negotiation or fore full/half 10M/100M or self-adapt mode's switch
- Converter twisted pair media (RJ-45) to fiber optic cable
- External power supply
- Status LEDs for activity
- Prot supply Auto-MDI/MDIX automatic reverse
- One 100Base FX Fiber Port can support either Multi (SC/ST/LC) or Single (SC) Mode

**Specifications**

Transfer Rate	100Mbps-FX ; 10/100Mbps-TX
Duplex Mode	Full or Half duplex mode
Environment	Temperature : 0~50°C Humidity : 5~85% non condensing
Compliance	UL, TUV, FCC class A, CE
LED	See Table 1
Switch	See Table 2
Connectors Type	TX : RJ-45 100 meter Maximum FX : SC can by Customize
Dimensions	98.5mm×69mm×25mm (L×W×H) see Table 3
Power adapter	5V / 1.2A
Power Consumption	3.5 Watt.

Table 1. LED Function

LED		Function	Status	State
TX	PWR	Power indication	Power in Power off	ON OFF
	L/A	Link/Active	Link/Active NO Link	ON/Blinking OFF
	10/100	10/100Mbps	100Mbps 10Mbps	ON OFF
FX	L/A	Link/Active	Link/Active NO Link	ON/Blinking OFF
	SD	SD detect	Link NO Link	ON OFF
	F/H	Full / Half Duplex	Full Half	ON OFF

Table 2. Switch Function

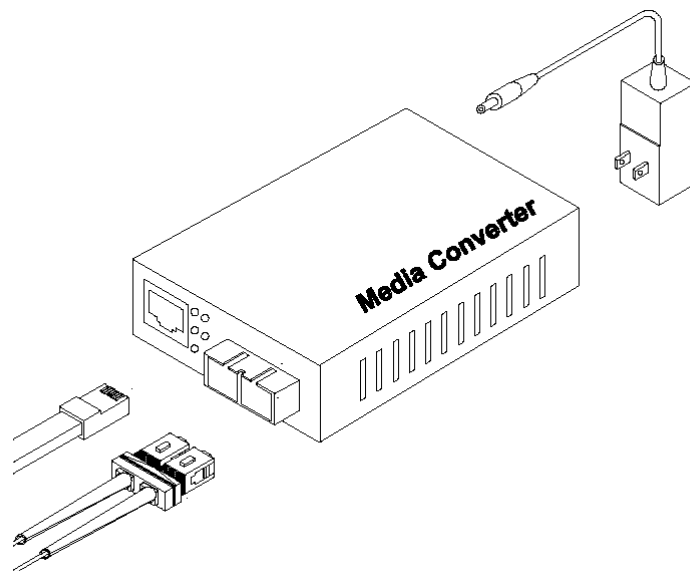
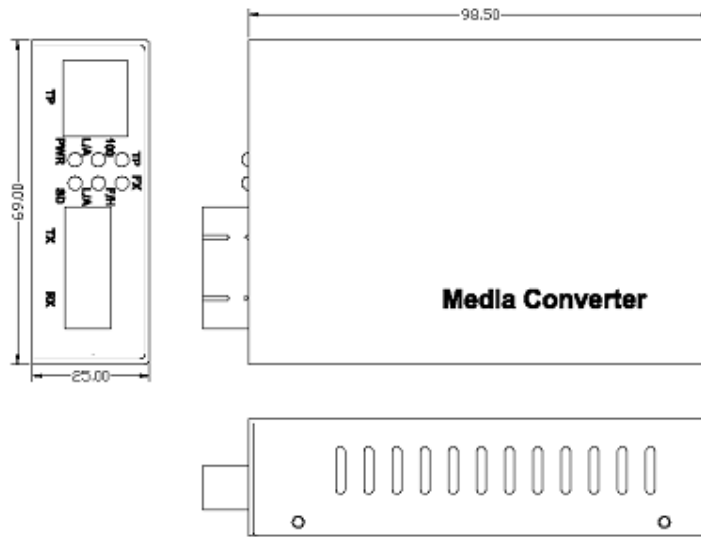
SW1	State	Status
LFP (Link fault pass through)	ON	Enable LFP (default)
	OFF	Disable

	SW2	SW3	Status
	Direct_Wire	Fast_FWD	
State	OFF	OFF	Store and forward switch mode (default)
	OFF	ON	Modified Cut-through switch mode
	ON	OFF	Converter mode
	ON	ON	Converter mode with auto-change-forward function

	SW4	SW5	SW6	Status	Link partner's capability							
	TP_Force	Speed_Mode	Duplex_Mode		AN on				AN off			
					100F	100H	10F	10H	100F	100H	10F	10H
State	OFF	ON	ON	10/100M,F/H with AN	100F	100H	10F	10H	100H	100H	10H	10H
	OFF	ON	OFF	10/100M, Half with AN	X	100H	X	10H	100H	100H	10H	10H
	OFF	OFF	ON	10M, F/H with AN	X	X	10F	10H	100H	100H	10H	10H
	OFF	OFF	OFF	10M, Half with AN	X	X	X	10H	100H	100H	10H	10H
	ON	ON	ON	100M, Full with AN	100F	X	X	X	100F	100F	X	X
	ON	ON	OFF	100M, Half with AN	X	100H	X	X	100H	100H	X	X
	ON	OFF	ON	10/100M, Full with AN	X	X	10F	X	X	X	10F	10F
	ON	OFF	OFF	10/100M, Half with AN	X	X	X	10H	X	X	10H	10H



Table 3. Dimensions





Ordering Information

