Media converter 3K SFP 100-1000(+LFP)

General Description

SFP 100-1000(+LFP) series converter is an Ethernet media converter that converts media transmission between UTP Copper cables and fiber SFP (Small Form-Factor Pluggable) transceiver. It is designed to meet the massive needs for Ethernet network deployment and able to extend a copper based network via fiber cable to a maximum distance up to 120km. It can be installed into a Standard Converter Chassis. The installation & operation procedures are simple & straight forward. Operation status can be locally monitored through a set of Diagnostic LED located in the front panel.

Features

* 100Base-TX/FX or 1000Base-T to 1000BASE-SX/LX Converter
* Standard : IEEE802.3 & IEE802.3u, IEEE 802.3z & 802.3ab
* Interface: 1 x RJ-45 connector / 1 x SFP Slot
* Plug-and-Play installation
* Support Jumbo Frame (64-9216 Byte)
* Conversion between different transmission speeds and media types
* Standalone type or card type ,Can be installed into 2U 14/16Slots chassis
* Auto-negotiating Ethernet port (Half/Full Duplex)
* Auto-crossover Ethernet port (Supports Auto MDI/MDI-X)
* Easy Installation, Easy Trouble shooting
* Dimension: 229x122x50mm for packing, 94x70.6x26.5mm for device

Application

* Extend your Ethernet connection up to 0~120km away using fiber optics.
* Creates an economical Ethernet-fiber/copper-fiber link for connecting remote sub-networks to larger fiber optic networks/backbones.
* Converts Ethernet to fiber, fiber to copper/Ethernet, ensuring optimum network scalability for connecting two or more Ethernet network nodes (e.g. connecting two buildings on the same campus).
* Designed to provide high-speed bandwidth for demanding large scale work groups that require expansion of Ethernet Network.
* Bad industrial environment or high requirements for Lightning protection

* Intelligent transportation supervisory system(ITS) and safe city
* High-speed way supervisory/Tele-communication system, IP network camera
* Security surveillance system for large corporations, multifunction network system
* Long-distance multimedia schooling/ campus surveillance, long-distance broadcast television transmission system
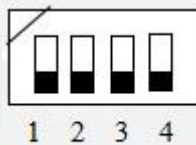
IP113C dial-up

Figure 1 . Dip Switch

Dip Switch：Top position is ON，Low position is OFF

Table 1 .Card Media Converter Dip Switch Function

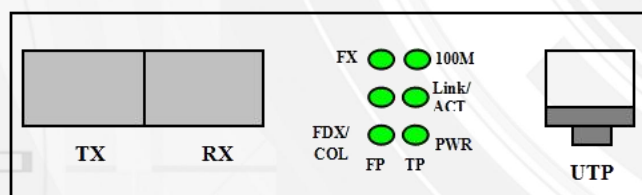| NO.	Switch Function	Dip Switch Function Describe		
1	LFP	Link fault pass through(LFP) Default Disable status(OFF)		
2	Direct_Wire	Switch 2 and switch3		
3	Fast_FWD	Direct_Wire	Fast_FWD	Function Describe
		OFF	OFF	Store and forward switch mode (Default)
		OFF	ON	Modified cut-through switch mode
		ON	OFF	Converter Mode
		ON	ON	Converter mode with auto-change-forward function
4	TP_Force	TP_Force Speed_Mode Duplex_Mode Function Describe		

Figure 2 LED position

Table 2 LED function

LED	function	status	Describing
PWR	Power LED	ON	Power is ON.
		OFF	Power is Fail.
FX	Fiber port signal detect LED	ON	Laser is receiving.
		OFF	No laser input.

FX-LINK/ACT	Fiber port link/action status LED	ON	Fiber link is ok.
		Blink	Data is receiving or transmiting
		OFF	Fiber link is fail.
100M	UTP port speed LED	ON	100M speed
		OFF	10M speed
TX-LINK/ACT	UTP port link/action status LED	ON	Link is ok.
		Blink	Data is receiving or transmiting
		OFF	Link is fail.
TX-FDX/COL	UTP port duplex LED	ON	Full duplex
		OFF	Half duplex