

**10/100/1000M 1SFP+1RJ45 SFP Media Converter**

**Introduction :**

This SFP to Ethernet Switch makes transmission between UTP Copper cables and Slot SFP (Small Form-Factor Plug-gable) transceivers. It is designed to meet the massive needs for Ethernet network deployment and able to extend a copper based network via Slot 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:**

- \* Works at 100/1000Mbps in Full-Duplex mode for both TX port and FX port
- \* Supports Auto MDI/MDIX for TX port
- \* Provides switch con-figuration of Force /Auto transfer mode for FX port
- \* FX port support hot-swappable
- \* Extends -fiber distance up to 0.55/2km for multi-mode -fiber and 10/20/40/80/100/120km for single-mode -fiber
- \* Easy-to-view LED indicators provide status to monitor network activity easily.

**Specifications:**

Optical Interface	Connector	SFP LC/SC
	Data Rate	155Mbps, 1.25Gbps
	Duplex Mode	Full duplex
	Fiber	MM 50/125um,62.5/125um SM 9/125um
	Distance	155Mbps: MM 550M/2km,SM 20/40/60/80/100/120km 1.25Gbps: MM 550m/2km,SM 20/40/60/80/100/120km
Wavelength	MM 850nm,1310nm SM 1310nm,1550nm WDM Tx1310/Rx1550nm(A side),Tx1550/Rx1310nm(B side) WDM Tx1490/Rx1550nm(A side),Tx1550/Rx1490nm(B side)	
UTP Interface	Connector	RJ45
	Data Rate	10/100Mbps, 10/100/1000Mbps
	Duplex Mode	Half/full duplex

	Cable	Cat5,Cat6
Power Input	Adapter Type	DC5V, optional(12V, 48V)
	Power Built-in Type	AC100~240V
Power Consumption		<3W
Weight	Adapter Type	0.3kg
	Power Built-in Type	0.6kg
Dimensions	Adapter Type	94*70.5*26.5cm
	Power Built-in Type	140.5*111*30cm
Temperature		0~50°C Operating; -40~70°C Storage
Humidity		5~95%(no condensing)
MTBF		≥10.0000h

**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 Gigabit Ethernet Network.