

SFP to Ethernet Converter

The Transceiver converts 100/1000BASE-SX/LX/LH/EX/ZX - fiber to 100/1000Base-T copper media or vice versa. It is designed for use with 850nm multi-mode/1310nm single-mode/WDM - fiber cable utilizing the LC-Type connector, transmitting data up to 0.55 kilometers or 100 kilometers. What's more, the SFP to Ethernet Converter can work as a stand alone device (no chassis required) or with B&TON's 19" system chassis.

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-uration 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 20/40/60/80km
	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	0.39kg
	Power Built-in Type	0.67kg
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	
Certification	CE,FCC,RoHS	

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.

Product Picture



Order Information

Part Number	Description
MCSFP-FE	10/100Mbps, 1SFP slot and 1RJ45 port, supports 155Mbps Single/Dual Fiber, 0~120km SFP
MCSFP-GE	10/100/1000Mbps, 1SFP slot and 1RJ45 port, supports 1.25Gbps Single/Dual Fiber, 0~120km SFP

Optional - DIP SWITCH

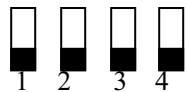


Figure 1 . Dip Switch

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

Table 1 .Dip Switch Function

No.	Switch Function	Description															
1	LFP	Link fault pass through(LFP) Default Disable status(OFF)															
2	Direct_Wire	Switch 2 and switch3															
3	Fast_FWD	<table border="0"> <tr> <td>Direct_Wire</td> <td>Fast_FWD</td> <td>Function Mode</td> </tr> <tr> <td>OFF</td> <td>OFF</td> <td>Store and forward switch</td> </tr> <tr> <td>OFF</td> <td>ON</td> <td>Modified cut-through switch</td> </tr> <tr> <td>ON</td> <td>OFF</td> <td>Converter Mode</td> </tr> <tr> <td>ON</td> <td>ON</td> <td>auto-change-forward</td> </tr> </table>	Direct_Wire	Fast_FWD	Function Mode	OFF	OFF	Store and forward switch	OFF	ON	Modified cut-through switch	ON	OFF	Converter Mode	ON	ON	auto-change-forward
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OFF	OFF	Store and forward switch															
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ON	ON	auto-change-forward															
4	TP_Force	TP_Force Speed_Mode Duplex_Mode															