

Model : ATZ FO-MC-SFP+

Description: 10G Ethernet to fiber media converter
with 1 x 10G SFP+ Slot(w/o SFP+ transceiver)



Overview

The ATZ FO-MC-SFP+ is a copper to fiber 10Gbps Ethernet media converter based on IEEE 802.3an and IEEE 802.3ae. It equips one 10GBase-T RJ45 port and one pluggable transceiver slot. The ATZ FO-MC-SFP+ brings you the best and simplest solution for the 10G Ethernet conversion between copper wire and fiber. The media converter is designed with a switch controller and buffer memory that connects two types segments to operate smoothly. With internal power unit, it provides good stability and reliability

Features

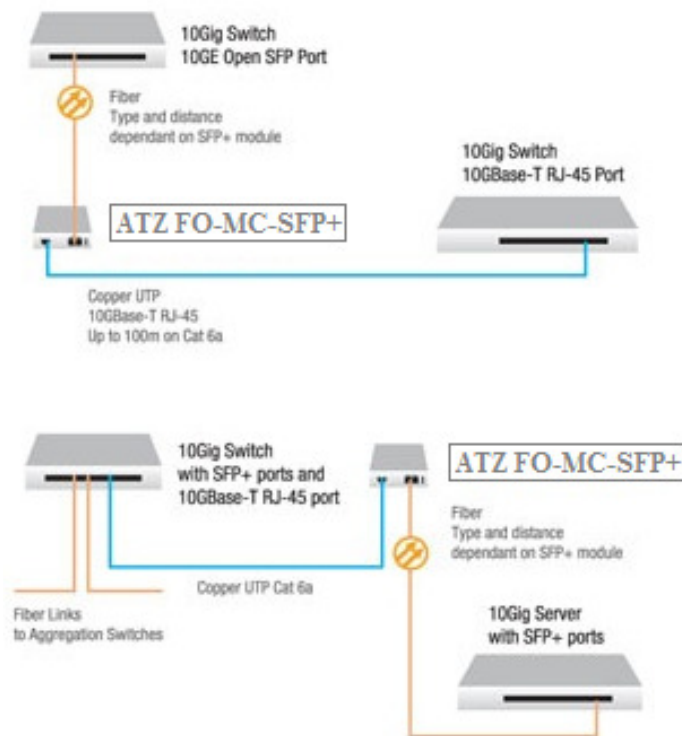
- Transparent Link Pass Through
- Auto-Negotiation (802.3u)
- AutoCross™
- Support Jumbo Frame

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- Transparent Transport and very low delay
- Support ITUT prescribed DWDM/CWDM wavelength
- Support hot plugging
- Full State Led display
- Easy installation

Application



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Technical specifications

Standards	IEEE802.3, IEEE 802.3an, IEEE 802.3ae, IEEE 802.3az
Data Rate	10 Gbps
Fiber Port supported standards	10GBase-SR 10GBase-LRM 10GBase-LR 10GBase-ER 10GBase-ZR direct attached 10G copper
Cable assemblies	both Class-I and Class-II fiber SFP+ modules SFP modules supporting WDM technology
Fiber Port transmission distance	Up to 80Km
Copper Port supported	100m on Cat6a or higher UTP
Status LEDs	1G: Lit when FX/TP speed is 1000Mbps 10G: Lit when FX/TP speed is 10G bps Link: Lit when FX/TP connection is good. Blinks: when FX/TP data is transmitting. PWR:Lit when +5V power is coming up
Dimensions(WxDxH) mm	30×100×140mm
Power	External power: input 85~265VAC, 50/60Hz Output: 5V 3A
Power Consumption	10 watts(without module)
Copper Port supported	100m on Cat6a or higher UTP
Environment	Operating Temp: 0 – 50°C Storage Temp: -20 to +70°C Operating Humidity: 5% to 95% (non condensing) Altitude: 0 – 10,000 feet
Shipping Weight	500g
MTBF w/Power Supply	Greater than 41,660 hours (MIL-HDBK-217F) Greater than 114,580 hours
MTBF w/o Power Supply	Greater than 250,000 hours (MIL-HDBK-217F) Greater than 687,000 hours
Regulatory Compliance	FCC Class A, EN55022 Class A, EN55024, CE Mark
Warranty	3years

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Fiber Technical Specifications

	10G Base-SR	10G Base-LR
Connector type	LC	LC
Fiber type	Multi-mode	Single-mode
Wavelength	850nm	1310nm
Max Distance	<300M	10Km
Min TX PWR	-6.0dBm	-8.2dBm
Max TX PWR	-1.0dBm	-0.5dBm
Sensitivity	< -11dBm	< -14.4dBm
Link Budget	5.0dBm	6.2dBm

	10G Base-ER	10G Base-ZR
Connector type	LC	LC
Fiber type	Single-mode	Single-mode
Wavelength	1550nm	1550nm
Max Distance	40Km	80Km
Min TX PWR	-4.7dBm	0dBm
Max TX PWR	4dBm	5dBm
Sensitivity	< -15.8dBm	< -23dBm
Link Budget	11.1dBm	23.0dBm