

# 10/100/1000M GIGABIT ETHERNET MEDIA CONVERTER

## AX-1000SFP



### DESCRIPTION

AX-1000SFP complies with IEEE802.3, IEEE802.3u, IEEE802.3z and IEEE802.3ab standards.

Presently it supports two types of media network connections: 10Base-T/100Base-TX/1000Base-T, and 1000Base-SX/LX, inter-converting electrical signals of 10Base-T/100Base-TX/1000Base-T twisted pairs with optical signals of 1000Base-SX/LX.

It extends the transmission distance of network from 100m via copper cable to 20/40/60/80km via fiber optical cable. It supports transmission in multi-mode dual fiber, single mode dual fiber and single mode single fiber.

### FEATURES

- Support inter-conversion between adaptive 10Base-T/100Base-TX/1000Base-T and 1000Base-SX/LX
- Support auto-sensing, full-duplex and half-duplex operation
- Support auto-sensation of MDI/MDI-X, facilitating system commissioning and installation
- Support the transmission of extra-long VLAN packets
- Support Quality of Service (QoS) and ensuring the transmission of VoIP packets
- High compatibility capacity whereby compatible with the network card, hub, switch and repeater of other brands
- Options in single mode dual fiber, multi-mode dual fiber and single mode in single fiber
- Store-and-Forward mechanism

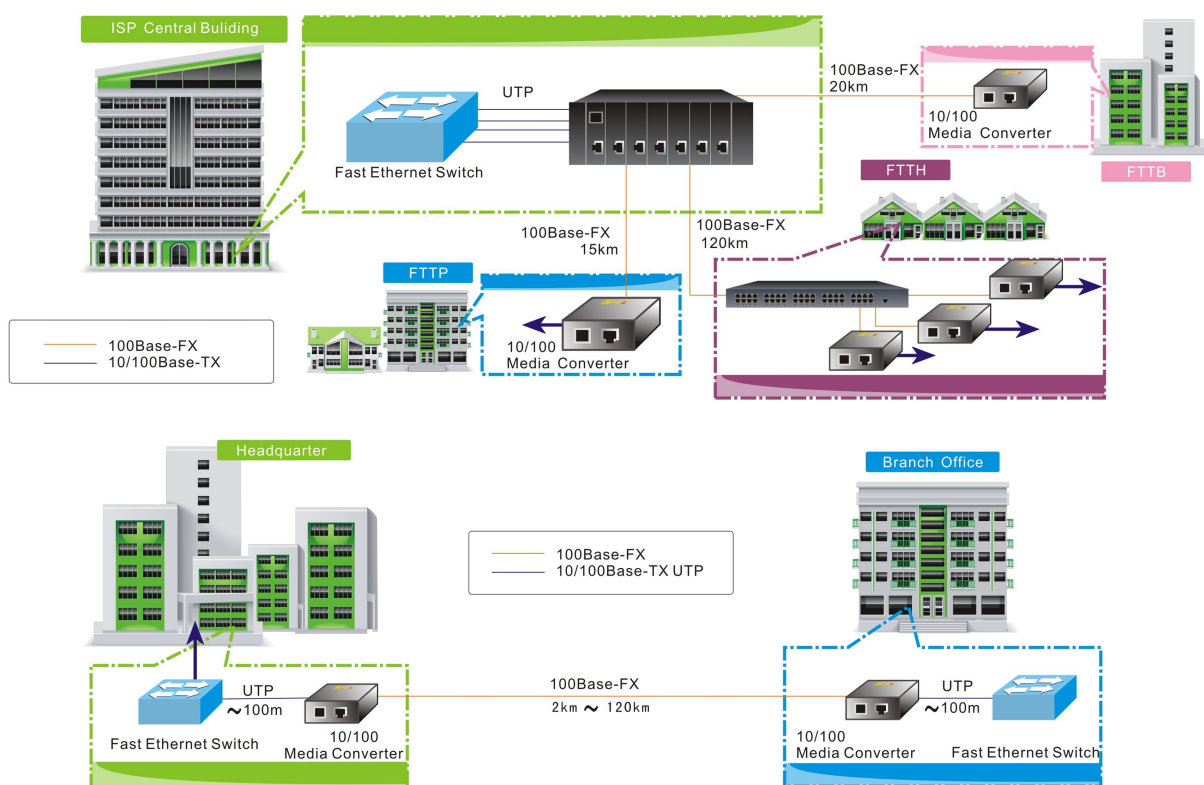
### SPECIFICATIONS

Parameter	Specifications
Data Rate	10/100/1000Mbps Gigabit Ethernet
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3ab 1000Base-T and IEEE802.3z 1000Base-SX/LX Gigabit Ethernet
Operating Wavelength	850nm/1310nm/1550nm
Transmission Distance	Multi-mode Dual-fiber: 220m (62.5/125μm)/550m (50/125μm) Single mode Dual-fiber: 20/40/60/80 Km Single mode Single fiber: 20/40/60/80 Km Category-5 twisted pairs: 100m
Port	One RJ45 port: Connecting with STP/UTP category-5 twisted pairs One optical port: Multi-mode Dual-fiber: SFP (50, 62.5/125μm) Single mode Dual-fiber: SFP (9/125μm) Single mode Single fiber: SFP (9/125μm)
Operation Mode	Media conversion
BER	<10 <sup>-9</sup>
MTBF	100,000 hours
LED Indicator	POWER (power supply), FX LINK (optical link action) TP LINK1000 (TP cable rate1000M), TP LINK100 (TP cable rate 100M) TP ACT (TP cable packet forwarding action)
Power Supply	External: AC90~264V input, 5V 2A output Internal: AC90~264V input
Power Consumption	5W
Operating Temperature	-10~55°C
Operating Humidity	5%~90%
Storage Temperature	-40~70°C
Storage Humidity	5% ~ 90% non-condensing
Dimensions	158mm(W)×146mm(D)×40mm(H) (internal power supply) 71mm (W)×94mm (D)×26 mm (H) (external power supply) 26mm(W)×88mm(D)×114mm(H) (card type)

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### APPLICATION



### ORDERING INFORMATION

Part No	Description
AX-1000SFP	10/100/1000Base-TX to 1000Base-FX(SFP), Gigabit Ethernet Media converter with SFP slot (Exclude SFP Transceiver module), power adaptor - 220VAC, standalone

#### Accessories

AXMP851GL-05	SFP Transceiver, 1.25G, 850nm, 550m
AXSP311GL-20	SFP Transceiver, 1.25G, 1310nm, 20km
AXSP551GL-80	SFP Transceiver, 1.25G, 1550nm, 80km
AXSP551GL-150	SFP Transceiver, 1.25G, 1550nm, 150km
AXBP351GS(L)-20	WDM SFP Transceiver, 1.25G, 1310/1550nm, 20km
AXBP531GS(L)-20	WDM SFP Transceiver, 1.25G, 1550/1310nm, 20km
XXX	Please specify **contact our sales personnel for more information

Note : Specifications are subject to change without prior notice