

# 10/100/1000M GIGABIT ETHERNET MEDIA CONVERTER

## AX-1000MM850D-550 AX-1000SM1310D-20/40



### DESCRIPTION

AX-1000MM850D-550/AX-1000SM1310D-20/AX-1000SM1310D-2 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 up to 40km only based on model selected below via fiber optical cable. It supports transmission in multi-mode dual fiber, single mode dual fiber.

### FEATURES

- Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX/LX
- Media conversion between 10/100/1000Base-T and 1000Base-SX/LX
- 10/100/1000M media converter with SFP slot is available
- 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
- Store-and-Forward mechanism
- Options in single mode dual fiber and multi-mode dual fiber

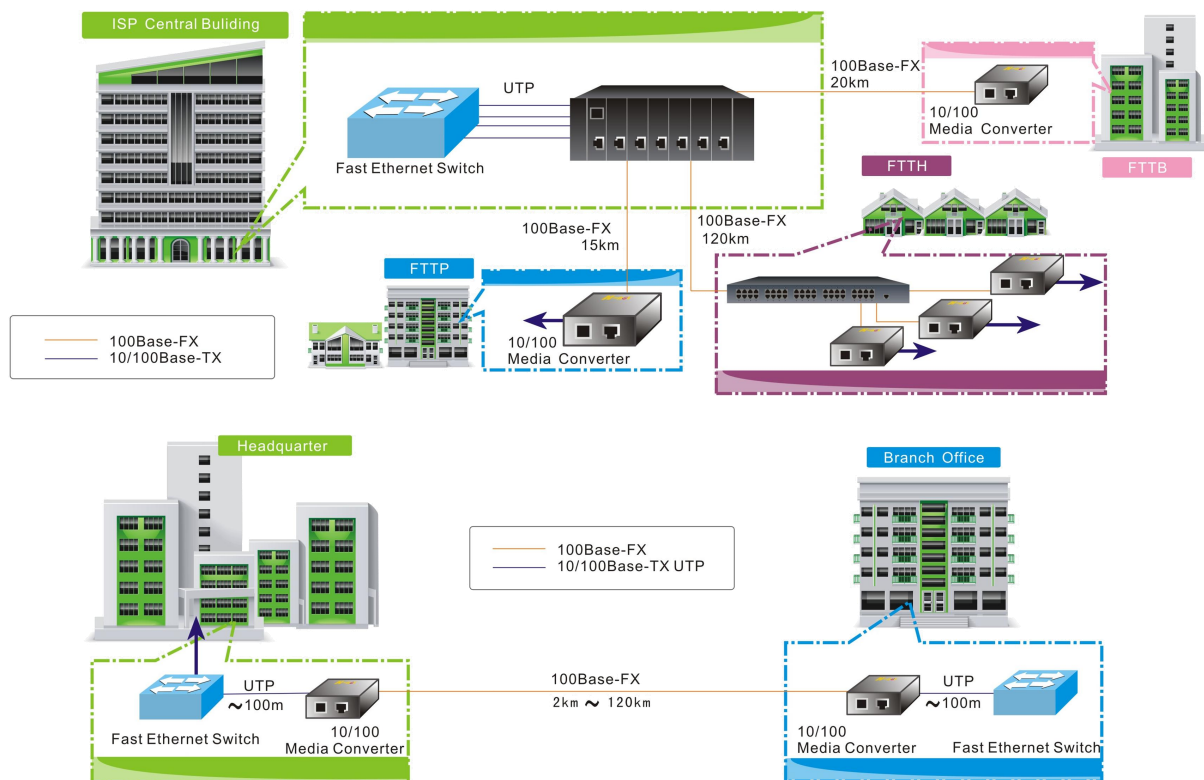
### SPECIFICATIONS

Parameter	Specifications
Data Rate	10/100/1000Mbps Gigabit Ethernet
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX 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 or 40 Category-5 twisted pairs: 100m
Port	One RJ45 port: Connecting with STP/UTP category-5 twisted pairs, EIA568A/B One optical port: Multi-mode Dual-fiber: SC (SFP) (50, 62.5/125μm) Single mode Dual-fiber: SC (SFP) (9/125μm)
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), FDX (TP full duplex operation)
Power Supply	External: AC90~264V input, 5V 2A output
Power Consumption	Max. 5W
Operating Temperature	-10~55°C
Operating Humidity	5%~90%
Storage Temperature	-40~70°C
Storage Humidity	5% ~ 90% non-condensing
Dimensions	71mm (W)×94mm (D)×26 mm (H) (external power supply)

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### APPLICATION



### ORDERING INFORMATION

Part No	Description
AX-1000MM850D-550	Gigabit Media converter, 10/100/1000M, Multi mode, dual fiber, 550m, 850nm, SC connector, power adaptor 220VAC, standalone
AX-1000SM1310D-20	Gigabit Media converter, 10/100/1000M, Single mode, dual fiber, 20km, 1310nm, SC connector, power adaptor 220VAC, standalone
AX-1000SM1310D-40	Gigabit Media converter, 10/100/1000M, Single mode, dual fiber, 40km, 1310nm, SC connector, power adaptor 220VAC, standalone

Note : Specifications are subject to change without prior notice