

DESCRIPTION

AX-1000SM1315P 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 40km via fiber optical cable. It supports transmission in single mode single fiber.



FEATURES

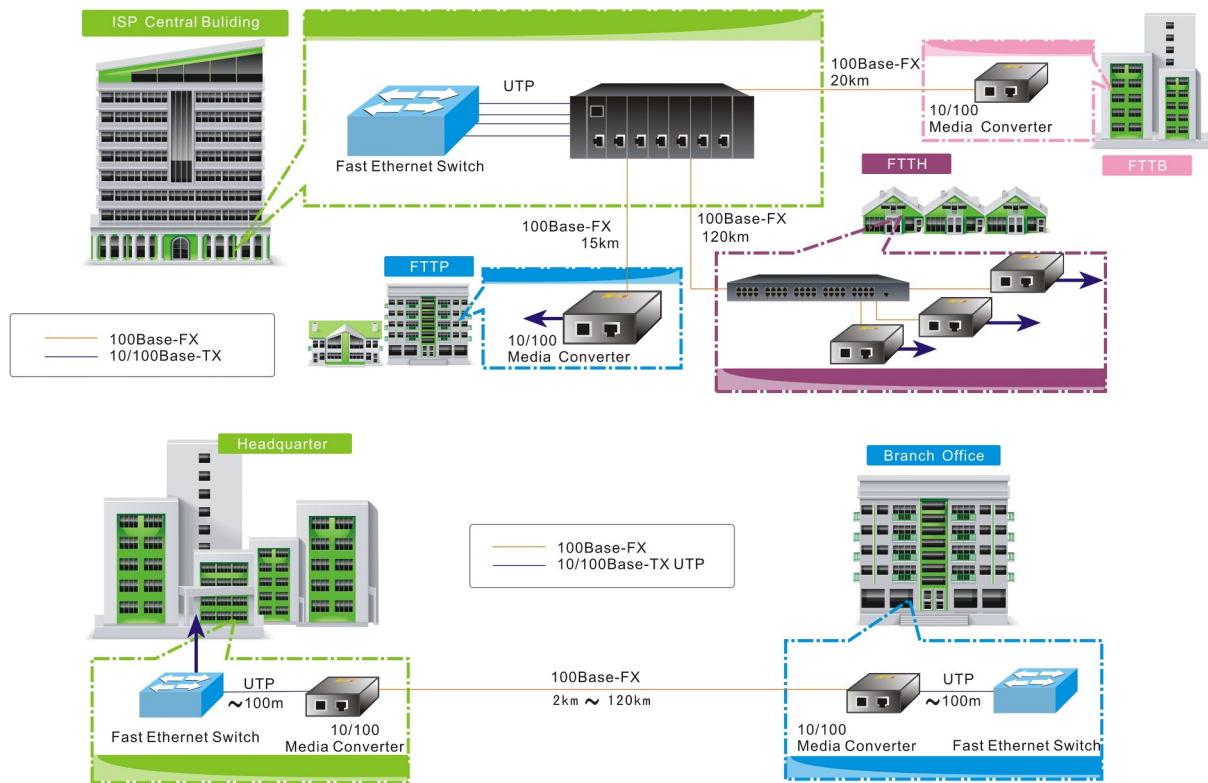
- Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX/LX
- Media conversion between 10/100/1000Base-T and 1000Base-SX/LX
- 10/100/1000M media converter with SFP slot is available
- Support auto-sensing, full-duplex and half-duplex operation
- 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 single fiber

SPECIFICATIONS

Data Rate (Mbps)	10/100/1000 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 (nm)	1310/1550
Transmission Distance	Single mode Single fiber: 20 or 40km Category-5 twisted pairs: 100m
Port	One RJ45 port: Connecting with STP/UTP category-5 twisted pairs, EIA568A/B One optical port: Single mode Single fiber: SC/FC/LC(SFP) (9/125μm)
BER	<10 ⁻⁹
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, 5V 2A output
Power Consumption	Max. 5W
Operating Temperature (°C)	-10~55
Operating Humidity (%)	5 ~ 90
Storage Temperature (°C)	-40 ~ 70
Storage Humidity (%)	5 ~ 90 non-condensing
Dimensions (mm)	71(W) x 94(D) x 26(H) (external power supply)

Note : Specifications are subject to change without notice

APPLICATIONS



ORDERING INFORMATION

Part No	Description
AX-1000SM1315P-20	Media converter, 10/100/1000M, Single mode, Single fiber, 20km, SC connector, power adaptor 220VAC, standalone, 1310/1550nm, in pair
AX-1000SM1315P-40	Media converter, 10/100/1000M, Single mode, Single fiber, 40km, SC connector, power adaptor 220VAC, standalone, 1310/1550nm, in pair