| Item	Fiber Media Converter
Model No.	AFT-9000S
Description	10/100/1000Base-T to 1000Base-X with LFP

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Overview

AFT-9000S Serial 10/100/1000M Fiber Media Converter translates the signal from a twist-pair 10/100/1000Base-T cable to 1000Base-X fiber optic cable, extends data transmission distance from 100m via copper cables to 100km by fiber optic cable, which supports LFP (Link Fault Pass-through) function.

Features

- 10/100/1000Mbps auto-sensed, easily upgrade
- Full-duplex and half-duplex auto-sensed
- MDI/MDI-X Auto Negotiation
- 10/100/1000Mbps store-and-forward
- 1000Mbps cut-through transmission
- LFP (Link Fault Pass-through) Function
- Support 9K Jumbo Frame
- Supporting VoIP /QoS packets
- Support flow control and reduce broadcast packets
- Supporting STP to form a redundant network
- Extremely low power consumption, low heat, stable performance
- Providing Desktop, Wall-mounted, Chassis installation

Application

- Network Communication
- FTTH / FTTB / FTTx
- ISP Backhaul Networking
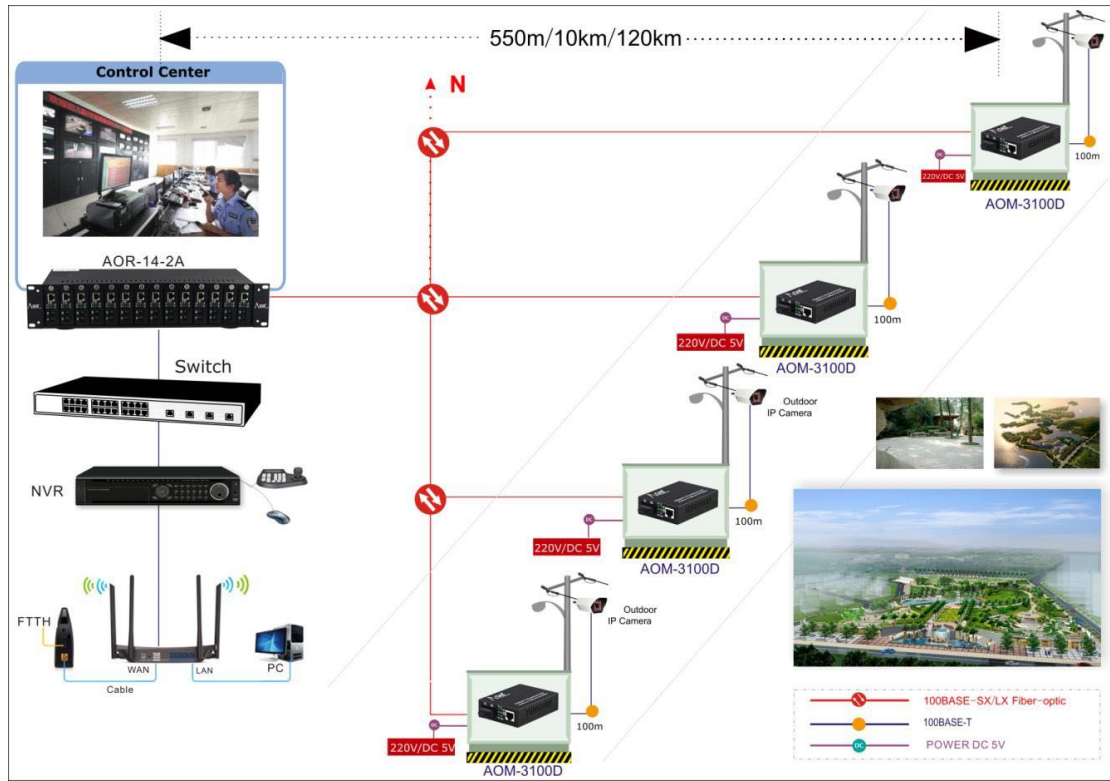
Mechanical Dimensions (For external power adaptor type)
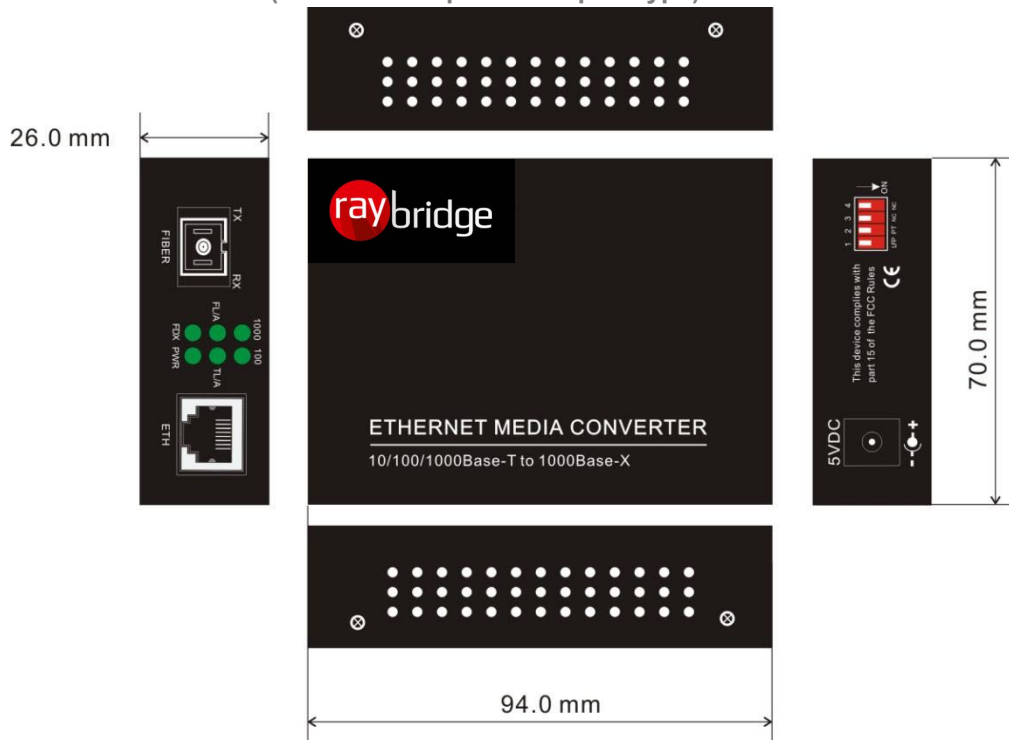
Technical Indexes

Standards	IEEE802.3 10BaseT IEEE802.3u 100BaseT(X) IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX IEEE802.3x Flow control and back pressure IEEE802.1d Spanning Tree
Performance	Processing Type: Store and Forward, Cut-through Back Bandwidth: 4Gbps MAC Address Size: 16Kbit Packet Buffer Size: 1Mbit Time Delay: <10us Frame: 9Kbytes
Copper Port	Data Rate: 10/100/1000M Connector: RJ45 Distance: 100m
Fiber Port	Data Rate: 1000M Connector: SC as default, FC/ST/LC(SFP slot) Optional Distance: MMF 2km,SMF 20/40/80/100/120km, Bi-di:20/40/80/100/120km
Dip-switch	LFP: LFP enabled (default) or disabled PT: 1000M Cut-through mode
LED indicators	FX (Fiber link is in correct connection) FL/A (optical link/action) TL/A (twisted pairs link/action) FDX (FX full duplex) 100 (100M transmission rate of twisted pairs) 1000 (1000M transmission rate of twisted pairs) PWR (power supply)
Power supply	Working power: DC5V 2A AC Power Supply: 100V~ AC240V to 5V2A External / Internal Power Supply Optional
Environment	Operating temperature : -20~65ºC Storage Temperature: -40~85ºC Relative Humidity: 5-95% (no condensation)
Physical Characteristics	Installation: Desk-top, wall mounting, Chassis Dimension: 94*70*26mm (External power supply) Weight: 0.4kg (External power supply)

Order Information

Model No.	Data Rate	Fiber Mode	Wavelength	Fiber Connector	Distance	Power Supply
AOM-3100D-SFP	Depends on SFP module					
AOM-3100D-M05-EA	10/100/1000M	MMF	850nm	SC	550m	Ex.AC220V
AOM-3100D-S20-EA	10/100/1000M	SMF	1310nm	SC	20km	Ex.AC220V
AOM-3100D-A20-EA	10/100/1000M	Bi-di	TX1310/RX1550nm	SC	20km	Ex.AC220V
AOM-3100D-B20-EA	10/100/1000M	Bi-di	TX1550/RX1310nm	SC	20km	Ex.AC220V

Relative Product

14 Slot Chassis System For Standalone Type	
AOR-14-2A	14 Slot Chassis with double AC220V Power Supply, for standalone type
AOR-14-2D	14 Slot Chassis with double DC48V Power Supply, for standalone type