

AOM-1100D

Fast Ethernet Media Converter

10/100Base-T to 100Base-X with LFP



Overview

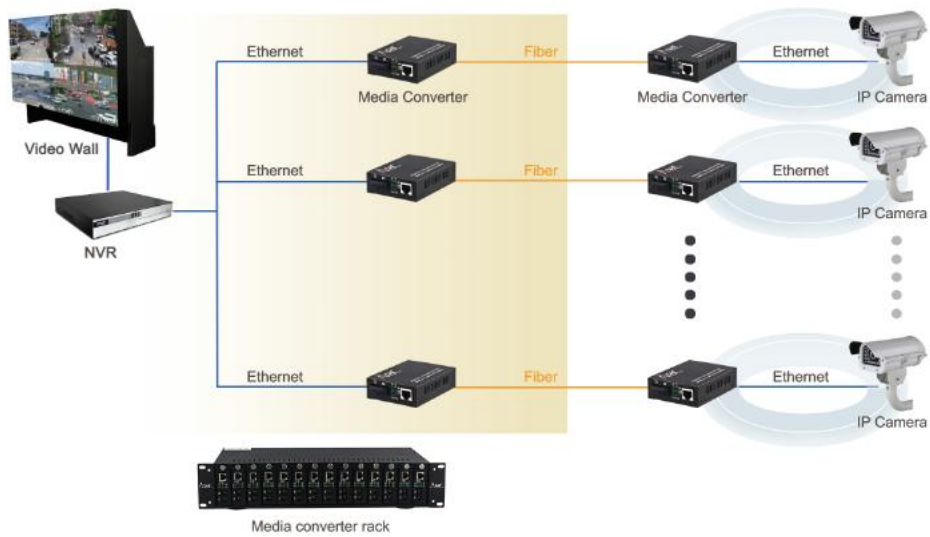
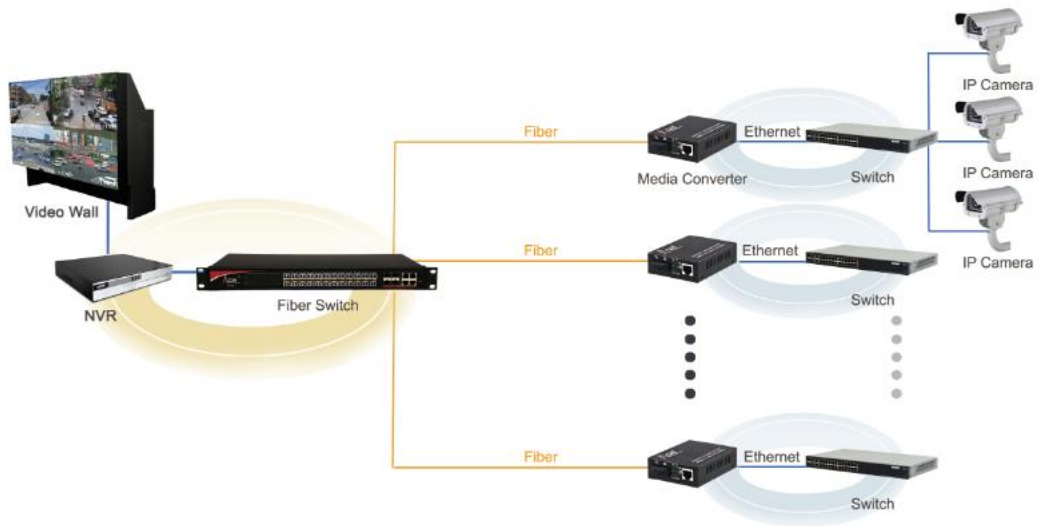
AOM-1100D Serial 10/100M Fiber Media Converter translates the signal from a twist-pair 10/100Base-TX cable to 100Base-FX fiber optic cable, extends data transmission distance from 100m via copper cables to 120km by fiber optic cable, which supports LFP (Link Fault Pass-through) function.

Features

- 10/100Mbps auto-sensed, easily upgrade
- Full-duplex and half-duplex auto-sensed
- MDI/MDI-X Auto Negotiation
- 10/100Mbps store-and-forward
- 100Mbps cut-through transmission
- LFP (Link Fault Pass-through) Function
- Supporting extra-long packets up to 1600 bytes
- 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



Technical Specifications

Parameter	Specifications
Standards	IEEE802.3 10BaseT IEEE802.3u 100BaseT(X) IEEE802.3x Flow control and back pressure IEEE802.1d Spanning Tree
Performance	Processing Type: Store and Forward, Cut-through Back Bandwidth: 400Mbps MAC Address Size: 4Kbit Packet Buffer Size: 512Kbit Time Delay: <10us Frame: 1600bytes
Copper Port	Data Rate: 10/100M Connector: RJ45 Distance: 100m
Fiber Port	Data Rate: 155M Connector: SC as default, FC/ST Optional Distance: MMF 2km, SMF 20/40/80/100/120km, Bi-di:20/40/80/100/120km
Dip-switch	TP port mode: Auto (default) or Force TP port speed: 100 or 10 when TP at Force TP port duplex: FDX or HDX when TP at Force LFP: LFP enabled (default) or disabled Fiber port duplex: 100 FDX (default) or 100 HDX
LED indicators	FL/A (optical link/action) TL/A (twisted pairs link/action) FDX (FX full duplex) 100 (100M transmission rate of twisted pairs) PWR (power supply)
Power supply	Working power: DC5V 1A AC Power Supply: 100V~ AC240V to 5V1A External / Internal Power Supply Optional
Environment	Operating temperature : -20~65° C Storage Temperature: -40~85° C 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)

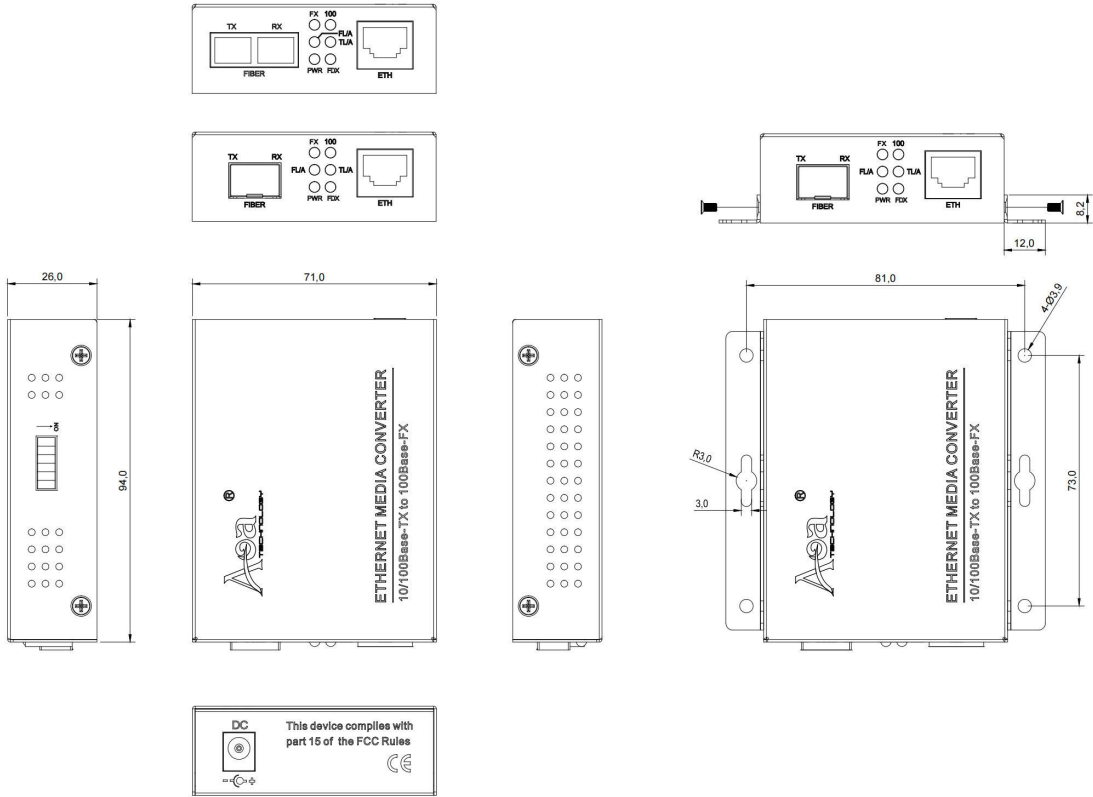
Order Information

Model	Description
AOM-1100D-SFP-EA	10/100M,SFP Slot,excluded SFP,External AC220V
AOM-1100D-M02-EA	10/100M,MM dual fiber,1310nm,2Km,SC,External AC220V
AOM-1100D-S20-EA	10/100M,SM dual fiber,1310nm,20Km,SC,External AC220V
AOM-1100D-A20-EA	10/100M,SM SF,TX1310/RX1550nm,20Km,SC,External AC220V
AOM-1100D-B20-EA	10/100M,SM SF,TX1550/RX1310nm,20Km,SC,External AC220V
FC/ST available; 40/60/80/120km available	

Related Products

Model	Description
Installation Accessories	
AOR-14	19" 2U, 14-slot rack with dual power supply
TK10	Wall-mounted kits, 87x12x8.2mm, hole L=73mm ϕ 3.0mm

Structure diagram (mm)



For further information, please visit our website <https://www.aotech.com>
 All rights are reserved by AOA Technology Co.,Ltd. AOA reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.