

# AOM-1100

## Fast Ethernet Media Converter

10/100Base-T to 100Base-X



### Overview

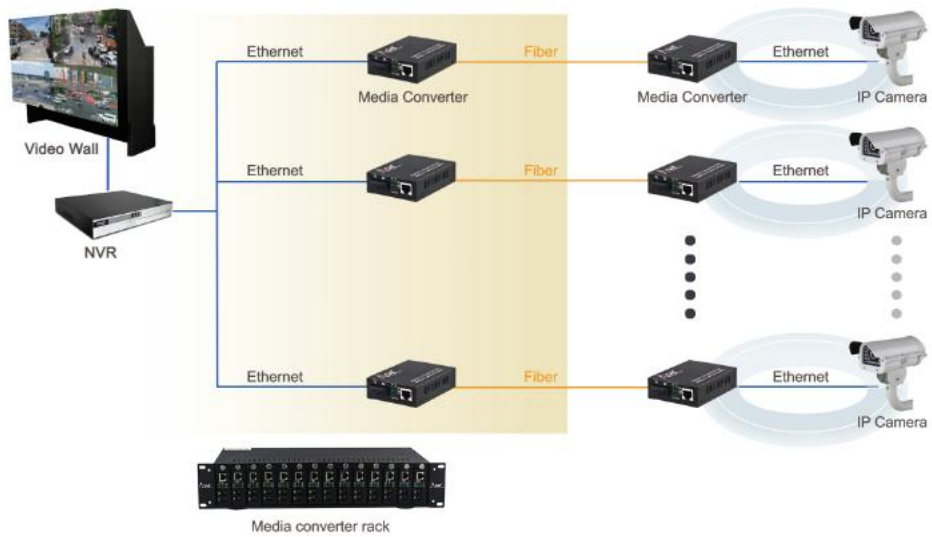
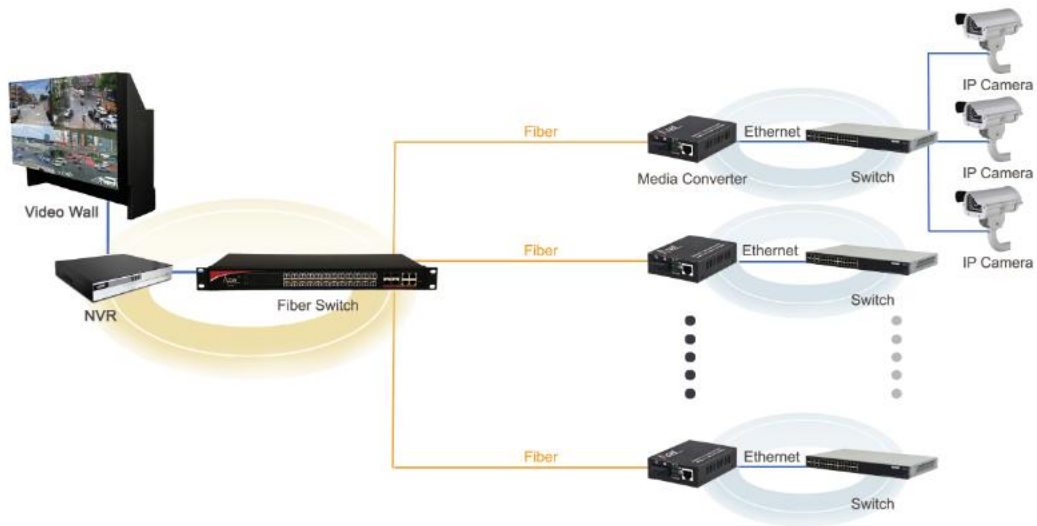
AOM-1100 Serial 10/100M Fiber Media Converter translates the signal from a twist-pair 10/100Base-TX cable to 100Base-FX fiber optic cable, extends data transmission distance from 100m via copper cables to 120km by fiber optic cable

### Features

- 10/100Mbps auto-sensed, easily upgrade
- Full-duplex and half-duplex auto-sensed
- MDI/MDI-X Auto Negotiation
- 10/100Mbps store-and-forward
- 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 Back Bandwidth: 400Mbps MAC Address Size: 4Kbit Packet Buffer Size: 512Kbit Time Delay: <10us
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
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)

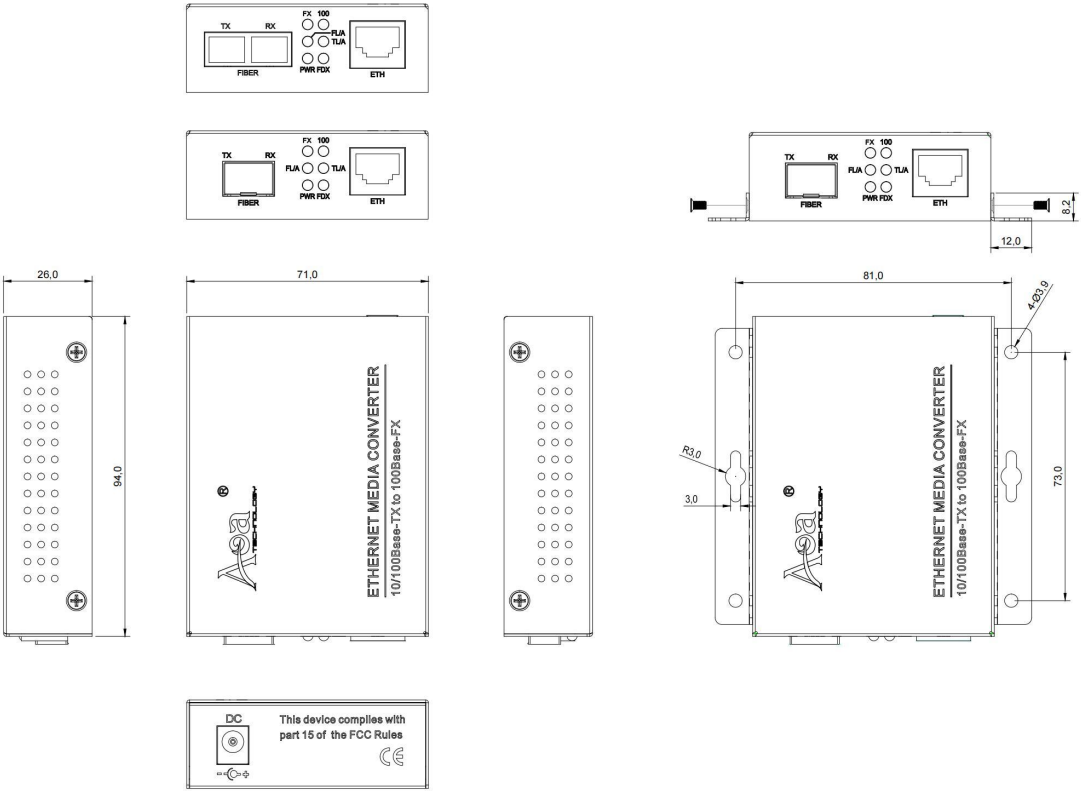
## Order Information

Model	Description
AOM-1100-M02-EA	10/100M,MM dual fiber,1310nm,2Km,SC,External AC220V
AOM-1100-S20-EA	10/100M,SM dual fiber,1310nm,20Km,SC,External AC220V
AOM-1100-A20-EA	10/100M,SM SF,TX1310/RX1550nm,20Km,SC,External AC220V
AOM-1100-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 $\phi$ 3.0mm

# Structure diagram (mm)



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