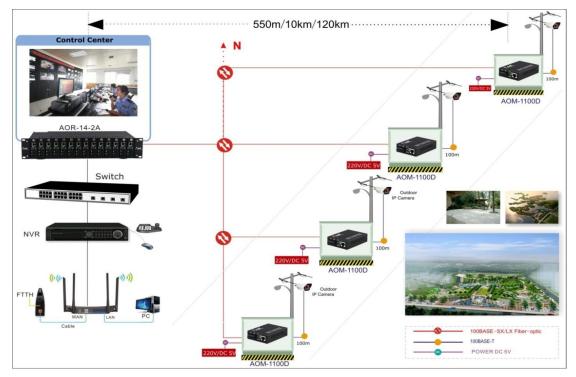| Item | Fiber Media Converter |
|---|---|
| Model NO. | AOM-1100D |
| Description | 100Base-FX to 10/100Base-TX with LFP |



MMF/SMF



Bi-di

**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 & USB Powered.
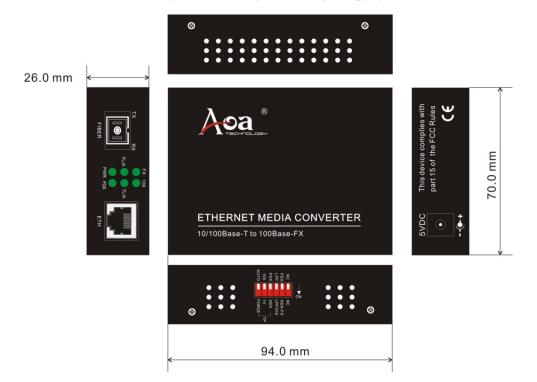
**Features**

- 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



## Mechanical Dimensions ( For external power adaptor type)



26.0 mm

70.0 mm

94.0 mm

ETHERNET MEDIA CONVERTER
10/100Base-T to 100Base-FX

**Technical Indexes**

| | |
|---|---|
| Standards | IEEE802.3 10BaseT<br>IEEE802.3u 100BaseT(X)<br>IEEE802.3x Flow control and back pressure<br>IEEE802.1d Spanning Tree |
| Performance | Processing Type: Store and Forward, Cut-through<br>Back Bandwidth: 400Mbps<br>MAC Address Size: 4Kbit<br>Packet Buffer Size: 512Kbit<br>Time Delay: <10us<br>Frame: 1600bytes |
| Copper Port | Data Rate: 10/100M<br>Connector: RJ45<br>Distance: 100m |
| Fiber Port | Data Rate: 155M<br>Connector: SC as default, FC/ST Optional<br>Distance:   MMF 2km,SMF 20/40/80/100/120km,<br>                Bi-di:20/40/80/100/120km |
| Dip-switch | TP port mode: Auto (default) or Force<br>TP port speed: 100 or 10 when TP at Force<br>TP port duplex: FDX or HDX when TP at Force<br>LFP: LFP enabled (default) or disabled<br>Fiber port duplex: 100 FDX (default) or 100 HDX |
| LED indicators | FL/A (optical link/action)<br>TL/A (twisted pairs link/action)<br>FDX (FX full duplex)<br>100 (100M transmission rate of twisted pairs)<br>PWR (power supply) |
| Power supply | Working power: DC5V 1A<br>AC Power Supply: 100V~ AC240V to 5V1A<br>External / Internal Power Supply Optional |
| Environment | Operating temperature : -20~65ºC<br>Storage Temperature: -40~85ºC<br>Relative Humidity: 5-95% (no condensation) |
| Physical Characteristics | Installation: Desk-top, wall mounting, Chassis<br>Dimension: 94*70*26mm (External power supply)<br>Weight: 0.4kg (External power supply) |

## Order Information

| Model No. | Data Rate | Fiber Mode | Wavelength | Fiber Connector | Distance | Power Supply |
|---|---|---|---|---|---|---|
| AOM-1100D-M02-EA | 10/100M | MMF | 1310nm | SC | 2km | Ex.AC220V |
| AOM-1100D-S20-EA | 10/100M | SMF | 1310nm | SC | 20km | Ex.AC220V |
| AOM-1100D-A20-EA | 10/100M | Bi-di | TX1310/RX1550nm | SC | 20km | Ex.AC220V |
| AOM-1100D-B20-EA | 10/100M | 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 |