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|--|-----------------------------|
| Item   | Fiber Media Converter       |
| Model No.  | AOM-1100                    |
| Description  | 10/100Base-TX to 100Base-FX |
|                          |                             |
| <div style="display: flex; justify-content: space-around;"> <span>MMF/SMF</span> <span>Bi-di</span> </div> |                             |

### 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

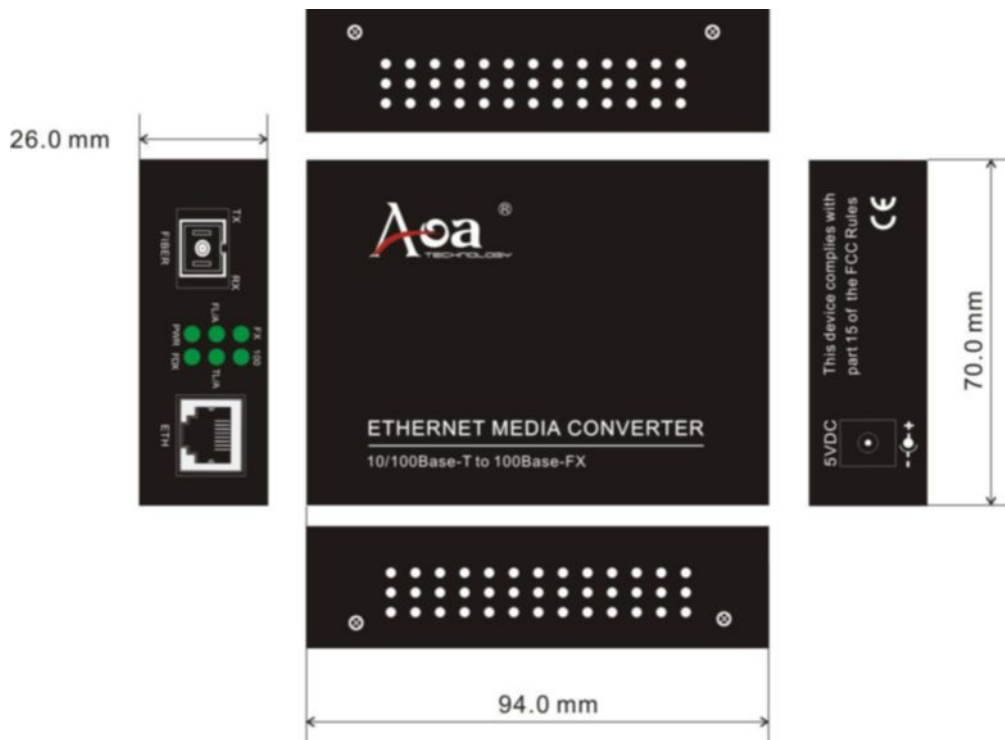
- 10/100Mbps auto-sensed, easily upgrade
- Full-duplex and half-duplex auto-sensed
- MDI/MDI-X Auto Negotiation
- 10/100Mbps store-and-forward
- Supporting extra-long packets up to 1600 bytes
- Supporting VoIP /QoS packets
- Support flow control and reduce broadcast packets
- Supporting STP to form a 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)



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<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                           |
| 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 : -20~65°C<br>Storage Temperature: -40~85°C<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)                         |



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### Order Information

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