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| Item | Fiber Media Converter |
| Model No. | AOM-3100D |
| Description | 10/100/1000Base-T to 1000Base-X with LFP |
| <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Front</p> </div> <div style="text-align: center;">  <p>Back</p> </div> </div> | |

Overview

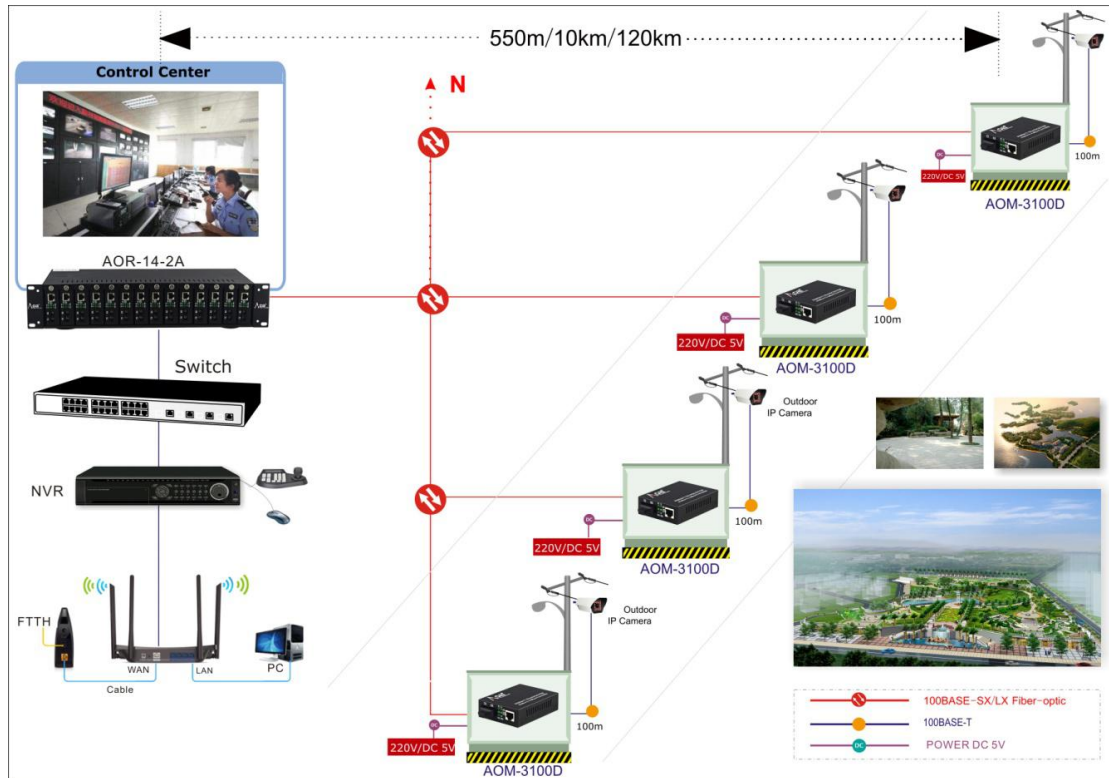
AOM-3100D Serial 10/100/1000M Fiber Media Converter translates the signal from a twist-pair 10/100/1000Base-T cable to 1000Base-X fiber optic cable, extends data transmission distance from 100m via copper cables to 100km by fiber optic cable, which supports LFP (Link Fault Pass-through) function.

Features

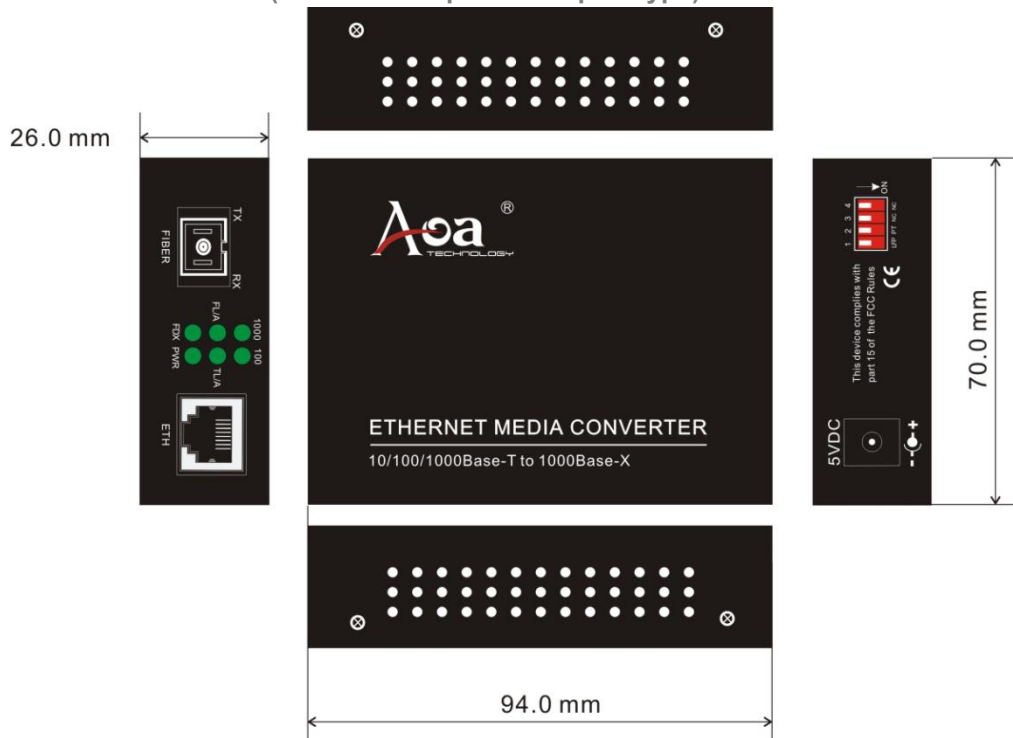
- 10/100/1000Mbps auto-sensed, easily upgrade
- Full-duplex and half-duplex auto-sensed
- MDI/MDI-X Auto Negotiation
- 10/100/1000Mbps store-and-forward
- 1000Mbps cut-through transmission
- LFP (Link Fault Pass-through) Function
- Support 9K Jumbo Frame
- Supporting VoIP /QoS packets
- Support flow 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 : -20~65°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) |



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Actuating Optical Advances

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 | |
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| 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 |