

AOM-2100D

Gigabit Ethernet Media Converter

10/100/1000Base-T to 100/1000Base-X, LFPT



Overview

AOM-2100D is Gigabit Ethernet Media Converters, which extends the 10,100 and 1000Mbps twisted-pair network segments up to 120km over fiber technology. Supporting 10/100/1000Mbps auto negotiation on the copper port and 1000Mbps full-duplex on the fiber port, SFP/SC/FC/ST interface optional, and also SFP Slot support 1.25G/155M SFP modules with auto-negotiation function.

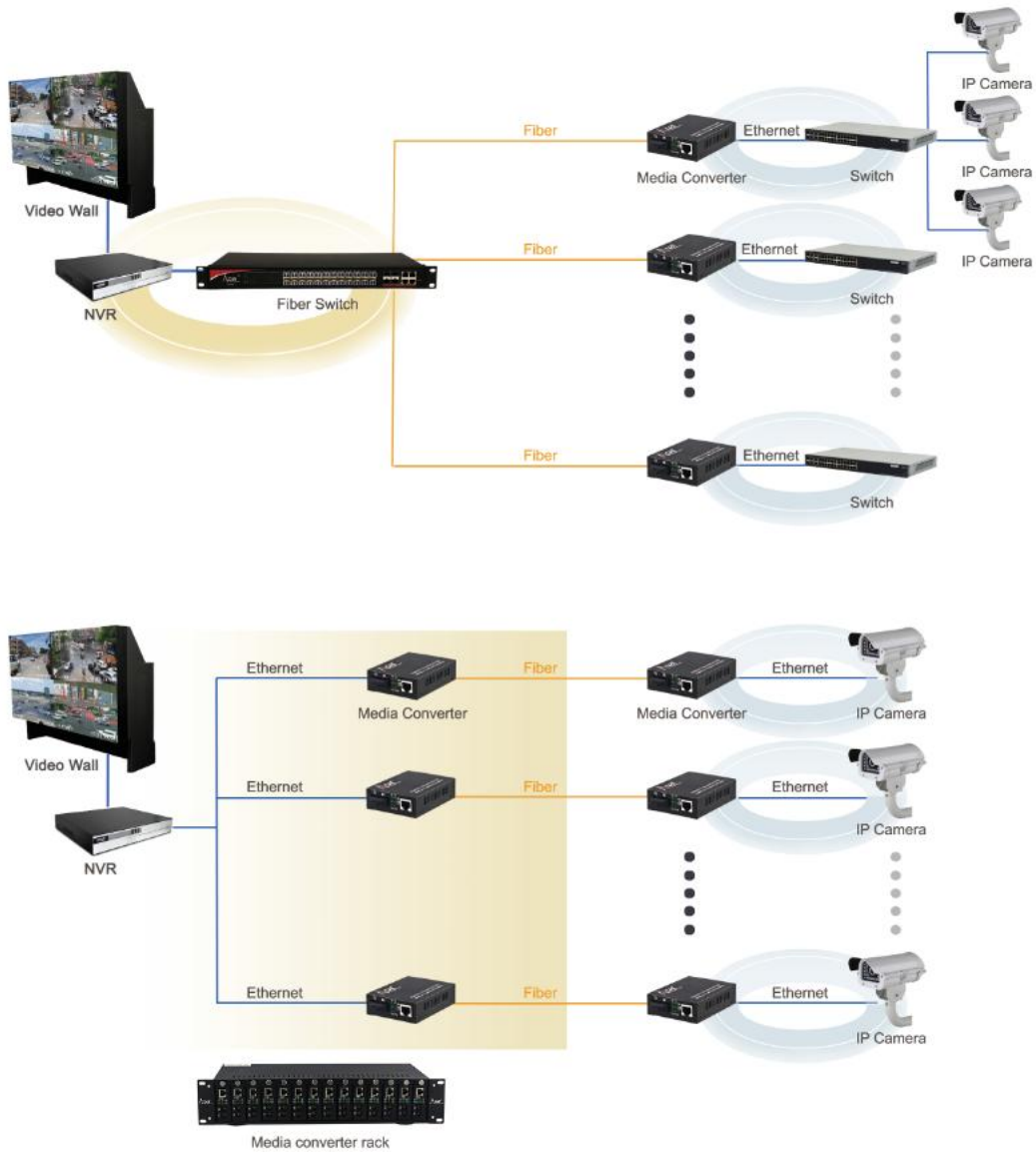
AOM-2100D is with DIP switch to set the LFPT function. Link fault pass-through (LFPT) is the function of media converters. This function prevents data loss in case of link failure. The media converters feature a pair of hetero links, such as a pair of copper links and fiber links. In cases of high data traffic, return losses, etc, the copper or fiber link may fail.

Features

- Copper port support auto-negotiation, auto-MDI/MDI-X
- SFP port provides 1.25G/155M auto-negotiation
- Full duplex and Half duplex back pressure auto-negotiation
- LFPT function
- 16K Jumbo Frame
- LED indicators for working status
- Wide range power input
- ESD, surge protection
- IP30 enclosure
- Chassis Mounted, Wall-mounted Installation with optional kits
- Low power consumption, lead-free process
- CE/FCC/ROHS compliance

Application

- Network Communication
- FTTH / FTTB / FTTx
- ISP Backhaul Networking



Technical Specifications

| Model | AOM-2100D |
|----------------------------|---|
| Performance | |
| Standard | IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x |
| Processing type | Store and Forward |
| MAC address | 2k |
| Buffer Space | 718k |
| Flow Control | support |
| Jumbo Frame | 16k bytes |
| Interface | |
| Copper Port | 10/100/1000M Auto-negotiation, RJ45 auto-MDI/MDI-X Cat5/Cat5e/Cat6, ≤100m |
| Fiber Port | 1.25G/155M SFP, 1.25G SC/FC/ST optional OS1/OS2 ≤120km; OM1/OM2 ≤550m |
| Power Port | DC socket, φ2.5mm |
| LED indicators | PWR, GX, GE,FL/A,TL/A |
| Dip-switch | LFPT, Flow control, Jumbo frame, Forced 100M |
| Electrical characteristics | |
| Input Voltage | 5-12VDC |
| Input Current | Max. 0.25A |
| Power Consumption | ≤2W |
| Physical characteristics | |
| Dimension | 94x71x26mm |
| Protection | IP30 |
| Installation | Chassis mounted,wall-mounted |
| Environment | |
| Working Temperature | -20~60°C |
| Storage Temperature | -40~85°C |
| Relative Humidity | 5%~95% (no condensation) |

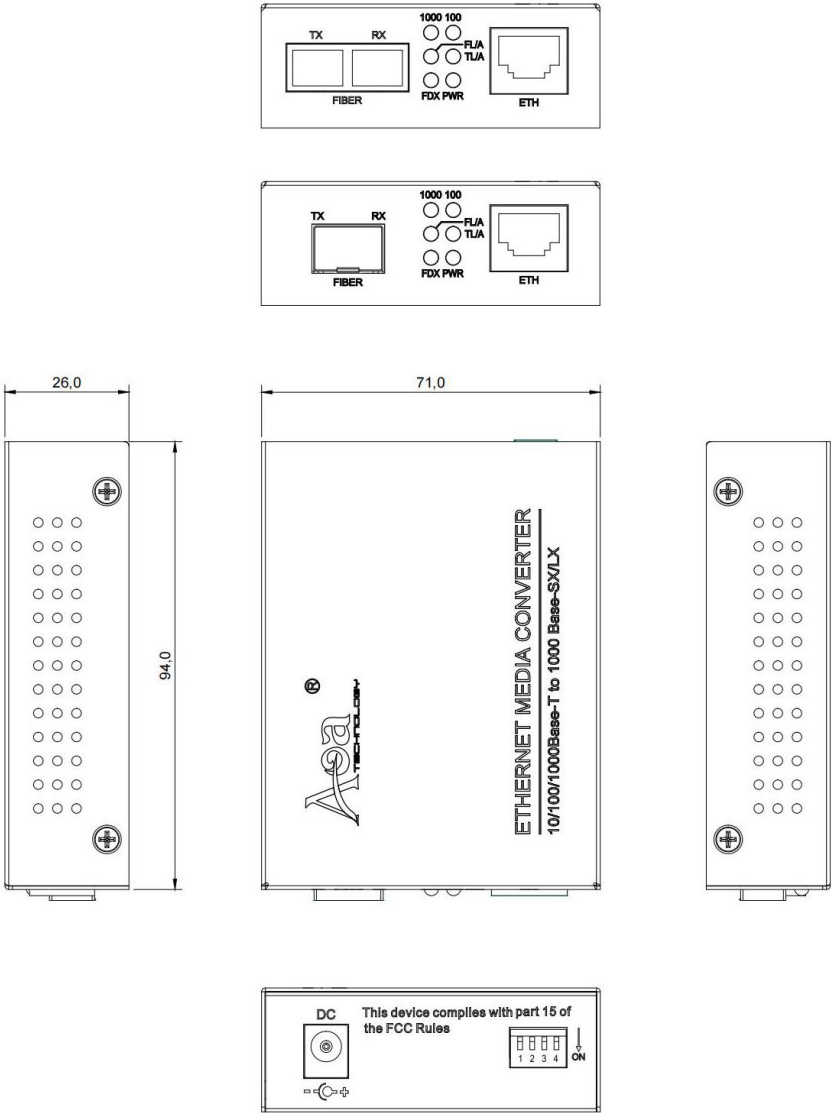
Order Information

| Model | Description |
|---|--|
| AOM-2100D-SFP | 10/100/1000M, SFP slot |
| AOM-2100D-M05 | 10/100/1000M, MM 850nm SC 550m |
| AOM-2100D-S20 | 10/100/1000M, SM 1310nm SC 20km |
| AOM-2100D-A20 | 10/100/1000M, SM TX1310/RX1550nm SC 20km |
| AOM-2100D-B20 | 10/100/1000M, SM TX1550/RX1310nm SC 20km |
| AOM-2100DP-SFP | 10/100/1000M (PoE) , SFP Slot |
| AOM-2100DP-M05 | 10/100/1000M (PoE), MM 850nm SC 550m |
| FC/ST available; 40/60/80/120km available 24W, 100-240Vac input, 48Vdc 0.5A output power adaptor as default. | |

Related Products

| Model | Description |
|---|---|
| Media Converter Chassis (for AOM-2100D series only) | |
| AOR-14-2A | 14 Slot Chassis with double AC220V Power Supply |
| AOR-14-2D | 14 Slot Chassis with double DC48V Power Supply |

Structure diagram (mm)



For further information, please visit our website <https://www.aoatech.com>

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