

AOM-2100DP

Gigabit Ethernet Media Converter

10/100/1000Base-T(POE) 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.

AOM-2100DP is Gigabit PoE Media Converters is designed specially to satisfy the growing demand for higher power required network devices, it complied the IEEE 802.3af/at standard. While using standard Cat5/5e/6 cables that carry Ethernet data, the converter can also provide power to a Powered Devices,such as IP cameras, VoIP phones and wireless access points.

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

Technical Specifications

Model	AOM-2100D	AOM-2100DP
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	PWR, PoE, GX, GE,FL/A,TL/A
Dip-switch	LFPT, Flow control, Jumbo frame, Forced 100M	
PoE Function		
Standard	/	IEEE802.3af, IEEE802.3at
Pin Assignment	/	1/2(+), 3/6(-)
PoE Budget	/	≤30Watts
Electrical characteristics		
Input Voltage	5-12VDC	48-58Vdc
Input Current	Max. 0.25A	Max. 0.67A
Power Consumption	≤2W	≤33W
Physical characteristics		
Dimension	94x71x26mm	
Protection	IP30	
Installation	Chassis mounted, wall-mounted	Chassis mounted
Environment		
Working Temperature	-20~60°C	
Storage Temperature	-40~85°C	
Relative Humidity	5%~95% (no condensation)	

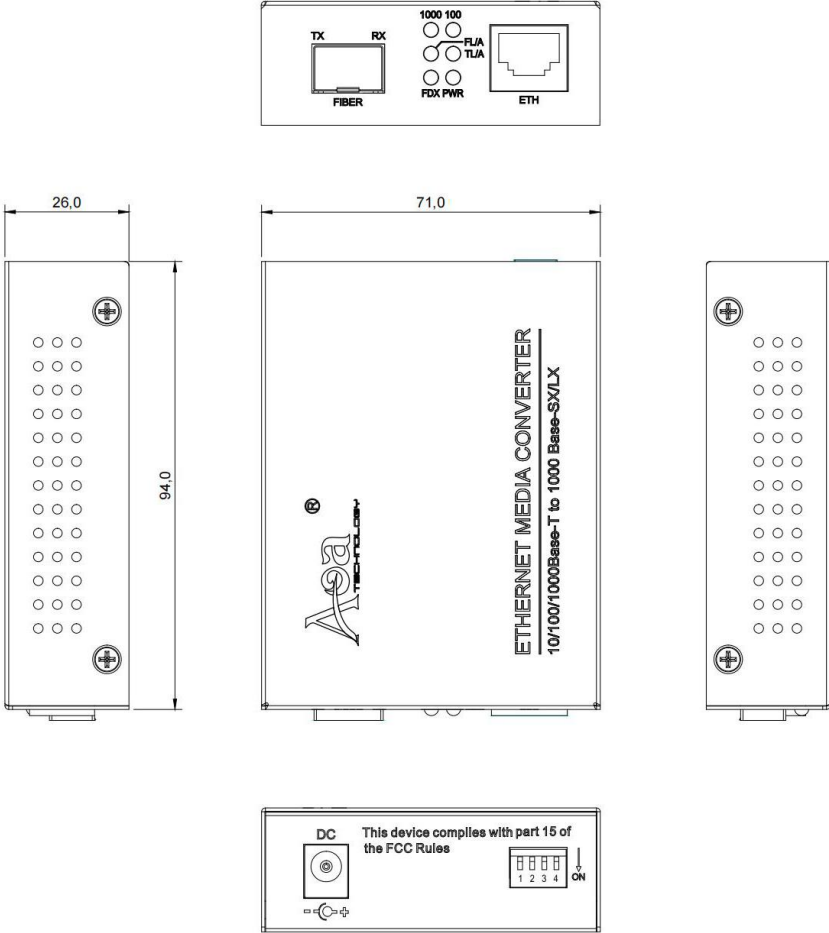
Order Information

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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