



Item	Fiber Media Converter
Model NO.	AOM-3100L
Description	10/100/1000Base-T to 1000Base-FX With Lightning-protection function
	
MMF/SMF	Bi-di

Overview

AOM-3100L Serial **10/100/1000M Fiber Media Converter** translates the signal from a twist-pair 10/100/1000Base-TX cable to 1000Base-FX fiber optic cable, extends data transmission distance from 100m via copper cables to 100km by fiber optic cable, with Lightning-protection function

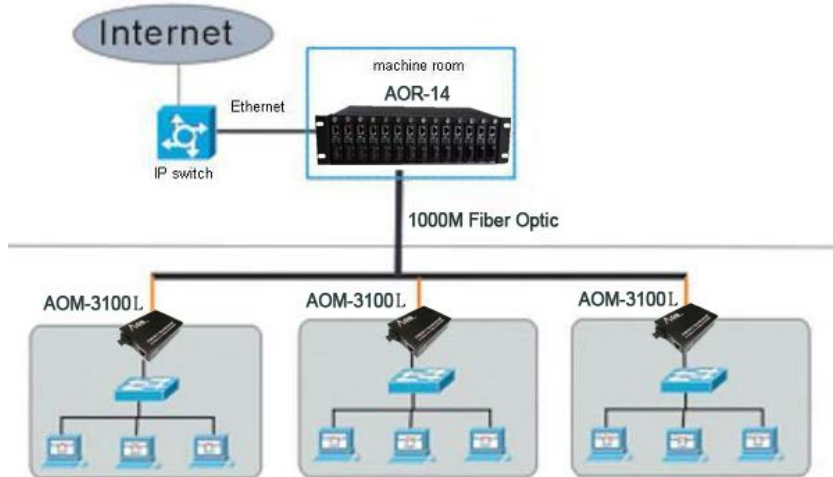
Features

- 10/100/1000Mbps auto-sensed, easily upgrade
- Full-duplex and half-duplex auto-adaptive
- MDI/MDI-X Auto Negotiation
- 10/100/1000Mbps store-and-forward
- **Support 10K Jumbo Frame**
- **Build-in Lightning-protection chipset**
- Supporting VLAN / VoIP /QoS packets
- Support flow control and reduce broadcast packets
- Supporting STP to form a redundant network
- Providing Desktop, Wall-mounted, Chassis, DIN-rail installation

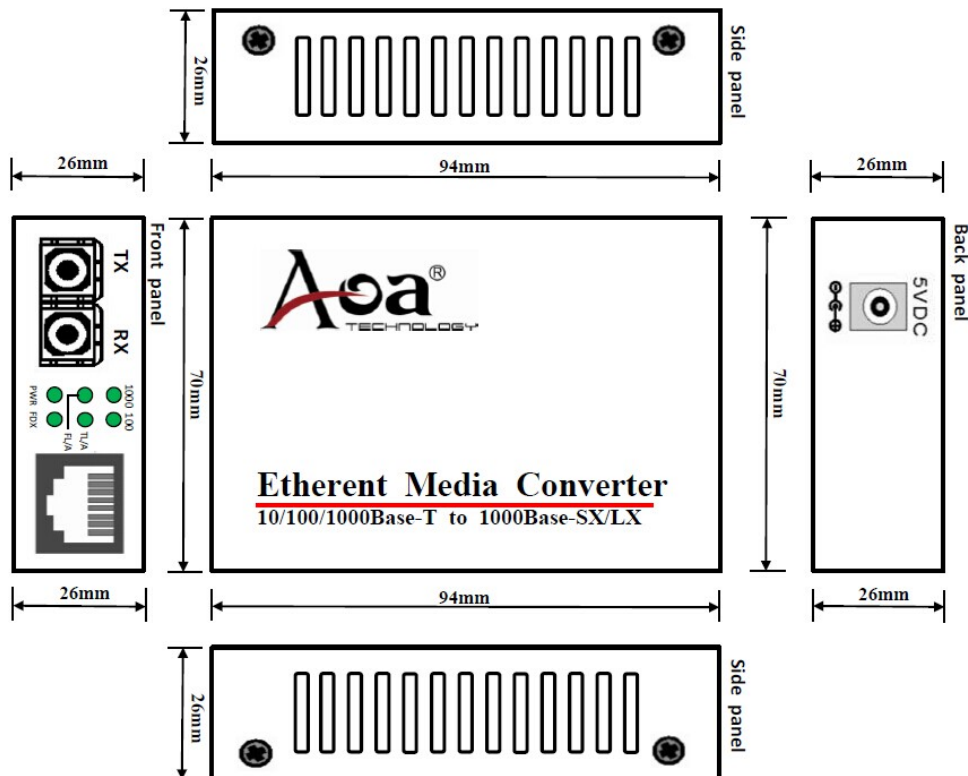
Application

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

media converter solution



Mechanical Dimensions



Technical Indexes

Standard	IEEE 802.3 10Base-T,100Base-T,100Base-F、 IEEE 802.3Z/AB (1000BASE-T/SX/LX)
Copper Port	Connector: RJ45 Speed Rate: 10/100/1000M auto-adaptive Distance: 100m
Fiber Port	Connector: SC as default, FC/ST Optional Speed Rate: 1.25G Wavelength: 850nm/1310nm/1490nm/1550nm Fiber Type: MMF, SMF, Bi-di Distance: 550m~100km
Performance	Forward Type: Store and Forward Transmission mode : Asynchronous work, Point-to-Point, Full-duplex/Half-duplex MAC Address: 8K Buffer Space : 128K Jumbo Frame: 10K Time delay: <20μs
LED indicators	PWR (power supply); FL/A (optical link/action) FDX (FX full duplex), TL/A (twisted pairs link/action) 100 (100M transmission rate of twisted pairs), 1000 (100M transmission rate of twisted pairs)
Power Supply	Power Type: External Power Adaptor Input Voltage: AC100V~240V or DC36~72V, 50/60Hz Output Voltage: 5V1A Connector : DC Socket
Power	<3W
Environment	Operating temperature : -10~55°C Storage Temperature: -40~70°C Relative Humidity: 5% to 95% non-condensing
Dimensions	94mmx70mm*26mm
Gross Weight	0.4kg

Order Information

Model No.	Data Rate	Fiber Mode	Wavelength	Fiber Connector	Distance	Power Supply
AOM-3100L-M05-EA	10/100/1000M	MMF	850nm	SC	550m	Ex.AC220V
AOM-3100L-S20-EA	10/100/1000M	SMF	1310nm	SC	20km	Ex.AC220V
AOM-3100L-S40-EA	10/100/1000M	SMF	1310nm	SC	40km	Ex.AC220V
AOM-3100L-A20-EA	10/100/1000M	Bi-di	TX1310/RX1550nm	SC	20km	Ex.AC220V
AOM-3100L-B20-EA	10/100/1000M	Bi-di	TX1550/RX1310nm	SC	20km	Ex.AC220V
AOM-3100L-A40-EA	10/100/1000M	Bi-di	TX1310/RX1550nm	SC	40km	Ex.AC220V
AOM-3100L-B40-EA	10/100/1000M	Bi-di	TX1550/RX1310nm	SC	40km	Ex.AC220V
AOM-3100L-M05-ED	10/100/1000M	MMF	850nm	SC	550m	Ex.DC48V
AOM-3100L-S20-ED	10/100/1000M	SMF	1310nm	SC	20km	Ex.DC48V
AOM-3100L-S40-ED	10/100/1000M	SMF	1310nm	SC	40km	Ex.DC48V
AOM-3100L-A20-ED	10/100/1000M	Bi-di	TX1310/RX1550nm	SC	20km	Ex.DC48V
AOM-3100L-B20-ED	10/100/1000M	Bi-di	TX1550/RX1310nm	SC	20km	Ex.DC48V
AOM-3100L-A40-ED	10/100/1000M	Bi-di	TX1310/RX1550nm	SC	40km	Ex.DC48V
AOM-3100L-B40-ED	10/100/1000M	Bi-di	TX1550/RX1310nm	SC	40km	Ex.DC48V

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					
AOM-3100L-M05	10/100/1000M	MMF	1310nm	SC	2km	Standalone
AOM-3100L-S20	10/100/1000M	SMF	1310nm	SC	20km	Standalone
AOM-3100L-S40	10/100/1000M	SMF	1310nm	SC	40km	Standalone
AOM-3100L-A20	10/100/1000M	Bi-di	TX1310/RX1550nm	SC	20km	Standalone
AOM-3100L-B20	10/100/1000M	Bi-di	TX1550/RX1310nm	SC	20km	Standalone
AOM-3100L-A40	10/100/1000M	Bi-di	TX1310/RX1550nm	SC	40km	Standalone
AOM-3100L-B40	10/100/1000M	Bi-di	TX1550/RX1310nm	SC	40km	Standalone