



Item	Fiber Media Converter
Model No.	AOM-1100L
Description	10/100Base-TX to 100Base-FX Lightning-Protection
	
MMF/SMF	Bi-di

Overview

AOM-1100L Serial **10/100M Fiber Media Converter** translates 10/100Base-TX to 100Base-FX, extends data transmission distance from 100m via copper cables to 120km by fiber optic cable, which support LFP (Link Fault Pass-through) function for easily tracing the network link failure, with Lightning-protection function

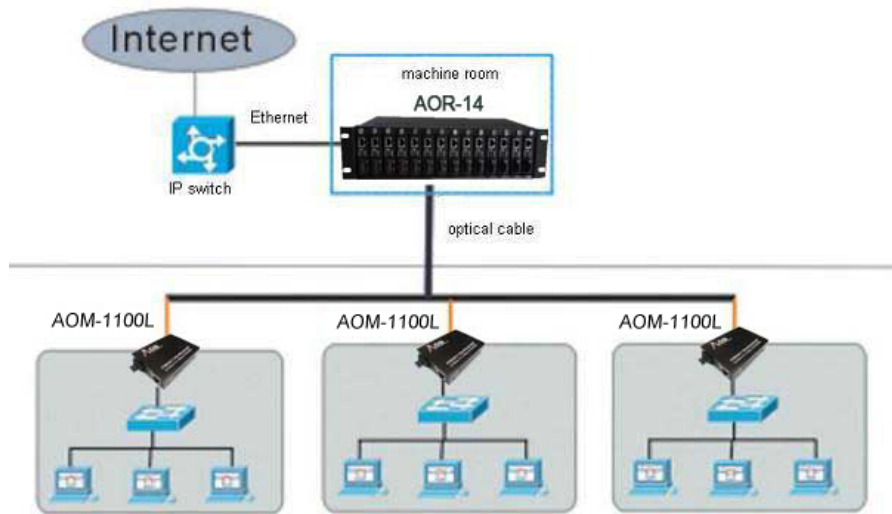
Main Features

- 10/100Mbps auto-sensed, easily upgrade
- Full-duplex and half-duplex auto-sensed
- MDI/MDI-X Auto Negotiation
- 10/100Mbps store-and-forward
- 100Mbps cut-through transmission
- **LFP (Link Fault Pass-through) Function Optional**
- Supporting **extra-long packets up to 1600 bytes**
- **Support 9K Jumbo Frame**
- **Built-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

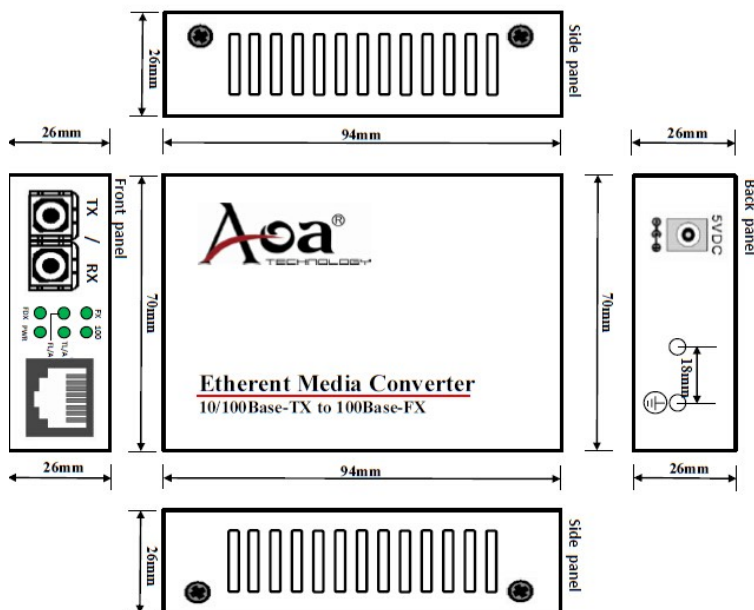
Application

- Network Communication
- FTTH / FTTB / FTTx
- CATV / IPTV
- CCTV IP camera transmission
- ISP Backhaul Networking

media converter solution



Mechanical Dimensions



Technical Indexes

Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet
Data Rate	Copper: 10/100M; Fiber: 100M
Flow control	Full duplex: flow control; Half duplex: back pressure
Copper Port	No.s of Copper Port: 1 Connector: RJ45 Connector Distance:100m
Fiber Port	No.s of Fiber Port: 1 Connector: SC as default, FC/ST optional Wavelength: MMF 1310nm, SMF: 1310nm, Bi-di 1310/1550nm Distance: MMF 2Km, SMF 20/40/80/100/120Km, Bi-di 20/40/80/100Km
LED indicators	PWR (power supply); FX LINK/ACT (optical link/action) FDX (FX full duplex), TP LINK/ACT (twisted pairs link/action) TP 100 (100M transmission rate of twisted pairs), FX 100 (100M transmission rate of optical fiber)
Power supply	Working power: DC5V 1A AC Power Supply: 100V~ AC240V to 5V1A Or DC Power Supply: -36~-72V to 5V1A External / Internal Power Supply Optional
Power consumption	<3W
Environment	Operating temperature : -10~55°C Storage Temperature: -40~85°C Relative Humidity: 5% to 95% non-condensing
Dimensions	External: 94mmx70mm*26mm Internal: 140mmx110mmx30mm
Gross Weight	External : 0.4kg Internal: 0.5kg

Order Information

Model No.	Data Rate	Fiber Mode	Wavelength	Fiber Connector	Distance	Power Supply
AOM-1100L-M02-EA	10/100M	MMF	1310nm	SC	2km	Ex.AC220V
AOM-1100L-S20-EA	10/100M	SMF	1310nm	SC	20km	Ex.AC220V
AOM-1100L-S40-EA	10/100M	SMF	1310nm	SC	40km	Ex.AC220V
AOM-1100L-A20-EA	10/100M	Bi-di	TX1310/RX1550nm	SC	20km	Ex.AC220V
AOM-1100L-B20-EA	10/100M	Bi-di	TX1550/RX1310nm	SC	20km	Ex.AC220V
AOM-1100L-A40-EA	10/100M	Bi-di	TX1310/RX1550nm	SC	40km	Ex.AC220V
AOM-1100L-B40-EA	10/100M	Bi-di	TX1550/RX1310nm	SC	40km	Ex.AC220V
AOM-1100L-M02-ED	10/100M	MMF	1310nm	SC	2km	Ex.DC48V
AOM-1100L-S20-ED	10/100M	SMF	1310nm	SC	20km	Ex.DC48V
AOM-1100L-S40-ED	10/100M	SMF	1310nm	SC	40km	Ex.DC48V
AOM-1100L-A20-ED	10/100M	Bi-di	TX1310/RX1550nm	SC	20km	Ex.DC48V
AOM-1100L-B20-ED	10/100M	Bi-di	TX1550/RX1310nm	SC	20km	Ex.DC48V
AOM-1100L-A40-ED	10/100M	Bi-di	TX1310/RX1550nm	SC	40km	Ex.DC48V
AOM-1100L-B40-ED	10/100M	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-1100L-M02	10/100M	MMF	1310nm	SC	2km	Standalone
AOM-1100L-S20	10/100M	SMF	1310nm	SC	20km	Standalone
AOM-1100L-A20	10/100M	Bi-di	TX1310/RX1550nm	SC	20km	Standalone
AOM-1100L-B20	10/100M	Bi-di	TX1550/RX1310nm	SC	20km	Standalone