

## AOM-1400 10/100M 4-UTP Port Media Converter Series

### Overview

**AOM-1400 series 4-UPT port media converter**, is 10/100Mbps Ethernet media converter, can inter-convert electrical signals of 10Base-T and/or 100Base-TX twisted pairs with optical signals of 100Base-FX. It extends the transmission distance of a network from 100m via copper cables to 120 km



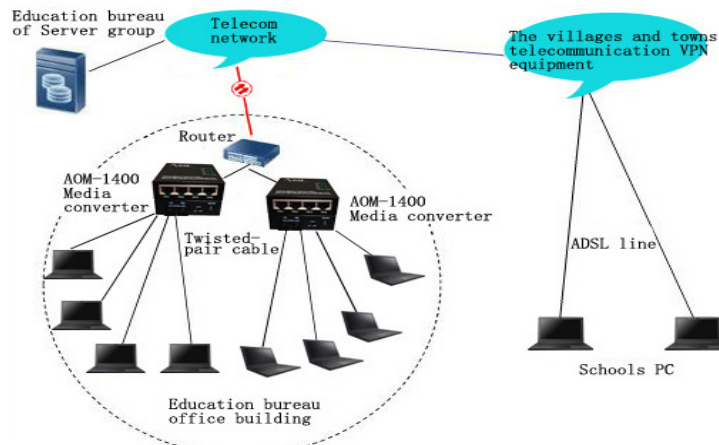
### Features

- 10/100Mbps auto-sensed, facilitating network upgrade
- VLAN configuration optional by dip-switch
- Flow control and reduce broadcast packets
- Providing four respective 10M/100Mbps adaptive twisted pair switching ports to implement the backup of electrical ports and the access of multiple users
- Supporting full-duplex and half-duplex and its auto-sensed, Auto MDI/MDIX
- Supporting the transmission of extra-long packets up to 1536 bytes
- Supporting Quality of Service (QoS) and ensuring the transmission of VoIP packets
- Supporting STP to form a redundant network
- Low power consumption, low heat, reliable and stable performance, and long lifetime
- Options in single mode in dual fiber, multi-mode in dual fiber, and single mode in single fiber

### Application

10/100Mbps fast optical Ethernet long-distance transmitting network

County telecom center machine room convergent equipment



### Technical Indexes

Parameter	Specifications
Access mode	10/100Mbps
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3x Flow control, IEEE802.1q VLAN, IEEE802.1p QoS, IEEE802.1d Spanning Tree
Wavelength	Multimode: 850/1310nm; Single-mode: 1310/1550nm (Option)
Transmission distance	multi-mode: 2 km; single-mode: 20~120km; Category-5 twisted pairs: 100m
Port	Four RJ45 port: For connecting STP/UTP category-5 twisted pairs One optical port: MM: SC/ST (50, 62.5/125μm); SM: SC/FC (9/125μm)
Conversion means	Media conversion, store-and-forward
MAC address table	1K
Buffer space	1Mbit
Flow control	Full duplex: flow control; Half duplex: back pressure
Delay	9.6μs
BER	<10 <sup>-9</sup>
MTBF	100,000 hours
LED indicator	PWR (power supply); FDX (FX full duplex) FX LINK/ACT (optical link/action) FX 100M (fiber 100M transmission rate) TP1/2/3/4 LINK/ACT (1/2/3/4 port twisted pair link action) TP1/2/3/4 100M (1/2/3/4 port twisted pair 100M transmission rate)
Power supply	DC5V 1A (external)
Power consumption	3.5W
Operating temperature	-10~55°C
Operating humidity	5%~90%
Maintaining temperature	-40~70°C
Maintaining humidity	5% ~ 90% non-condensing
Dimensions	98mm * 72mm* 26 mm (external power supply)

Mechanical Dimensions



**Order Information**

Model No.	Wavelength	FX Port	4-TX Port	Fiber model	Distance
AOM-1400-M02	850/1310nm	SC/ST/FC	RJ-45	MM, Dual-fiber	2km
AOM-1400-S20	1310nm FP	SC/ST/FC	RJ-45	SM, Dual -fiber	20km
AOM-1400-S40	1310nm FP	SC/ST/FC	RJ-45	SM, Dual-fiber	40km
AOM-1400-S60	1310nm FP	SC/ST/FC	RJ-45	SM, Dual-fiber	60km
AOM-1400-S80	1550nm DFB	SC/ST/FC	RJ-45	SM, Dual-fiber	80km
AOM-1400-S100	1550nm DFB	SC/ST/FC	RJ-45	SM, Dual-fiber	100km
AOM-1400-A20	TX1310/RX1550nm FP	SC/ST/FC	RJ-45	SM, Single-fiber	20km
AOM-1400-B20	RX1310/RX1550nm FP	SC/ST/FC	RJ-45	SM, Single-fiber	20km
AOM-1400-A40	TX1310/RX1550nm FP	SC/ST/FC	RJ-45	SM ,Single-fiber	40km
AOM-1400-B40	RX1310/TX1550nm FP	SC/ST/FC	RJ-45	SM ,Single-fiber	40km
AOM-1400-A60	TX1310/RX1550nm DFB	SC/ST/FC	RJ-45	SM ,Single-fiber	60km
AOM-1400-B60	RX1310/TX1550nm DFB	SC/ST/FC	RJ-45	SM ,Single-fiber	60km
AOM-1400-A80	TX1310/RX1550nm DFB	SC/ST/FC	RJ-45	SM ,Single-fiber	80km
AOM-1400-B80	RX1310/TX1550nm DFB	SC/ST/FC	RJ-45	SM ,Single-fiber	80km