

AOM-1800 10/100M 8-UTP Port Media Converter Series

Overview

AOM-1800 series media converter is **8-UTP port media converter** can inter-convert 10Base-T & 100Base-TX twisted pairs with 100Base-FX. It extends the transmission distance 2/20/60/80/100km by fiber.



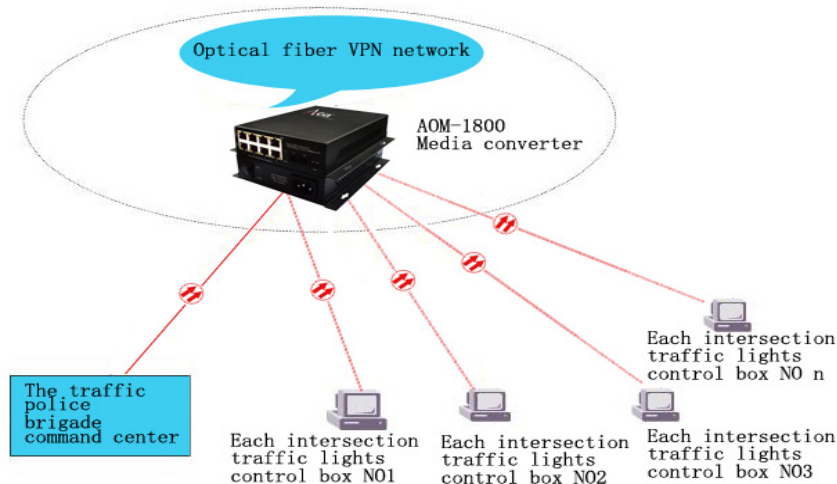
Features

- 10/100Mbps auto-sensed, facilitating network upgrade
- Built-in efficient switching core to implement flow control and reduce broadcast packets
- 8-UTP port can work as a normal network switch
- Supporting full-duplex and half-duplex and its auto-sensed, Auto MDI/MDIX
- Supporting the transmission of extra-long packets up to 1518 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
- **VLAN function** optional by Dip-switch set.

Application

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

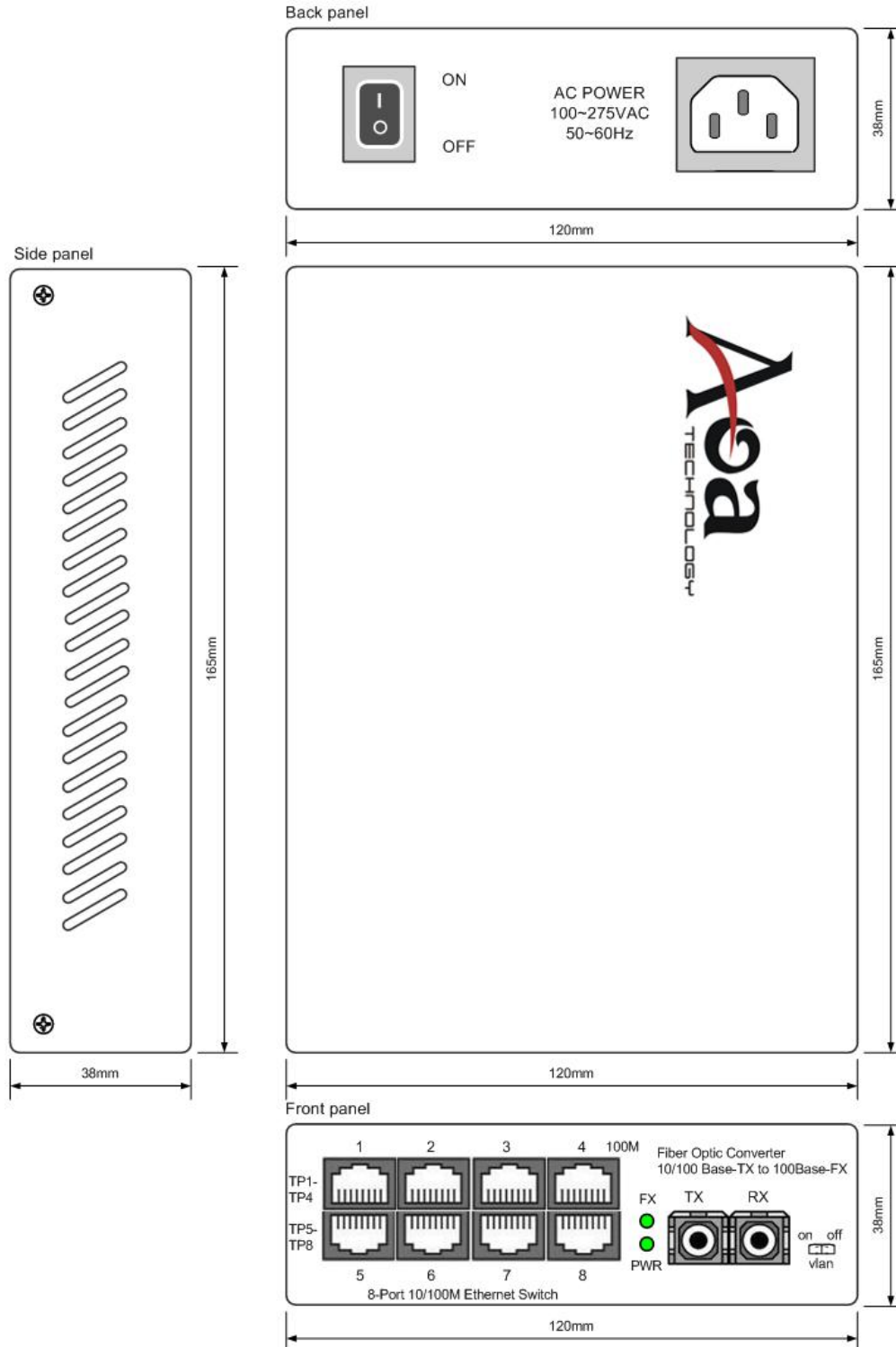
Traffic command center aura network



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	Eight RJ45 port: For connecting STP/UTP category-5 twisted pairs One optical port: MM: SC/ST (50, 62.5/125 μ m); SM: SC/FC (9/125 μ m)
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	9.6 μ s
BER	<10 ⁻⁹
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) TP1/2/3/4/5/6/7/8 LINK/ACT (1/2/3/4/5/6/7/8 port twisted pair link action) TP1/2/3/4/5/6/7/8 100M (1/2/3/4/5/6/7/8 port twisted pair 100M transmission rate)
Power supply	DC5V/2A (Internal)
Power consumption	5W
Operating temperature	-10~55 $^{\circ}$ C
Operating humidity	5%~90%
Maintaining temperature	-40~70 $^{\circ}$ C
Maintaining humidity	5% ~ 90% non-condensing
Dimensions	165mm * 120mm * 38 mm (Internal power supply)

Mechanical Dimensions



Order Information

Model No.	Wavelength	FX Port	8-TX Port	Fiber model	Distance
AOM-1800-M02	850/1310nm	SC/ST/FC	RJ-45	MM, Dual-fiber	2km
AOM-1800-S20	1310nm FP	SC/ST/FC	RJ-45	SM, Dual -fiber	20km
AOM-1800-S40	1310nm FP	SC/ST/FC	RJ-45	SM, Dual-fiber	40km
AOM-1800-S60	1310nm FP	SC/ST/FC	RJ-45	SM, Dual-fiber	60km
AOM-1800-S80	1550nm DFB	SC/ST/FC	RJ-45	SM, Dual-fiber	80km
AOM-1800-S100	1550nm DFB	SC/ST/FC	RJ-45	SM, Dual-fiber	100km
AOM-1800-A20	TX1310/RX1550nm FP	SC/ST/FC	RJ-45	SM, Single-fiber	20km
AOM-1800-B20	RX1310/RX1550nm FP	SC/ST/FC	RJ-45	SM, Single-fiber	20km
AOM-1800-A40	TX1310/RX1550nm FP	SC/ST/FC	RJ-45	SM ,Single-fiber	40km
AOM-1800-B40	RX1310/TX1550nm FP	SC/ST/FC	RJ-45	SM ,Single-fiber	40km
AOM-1800-A60	TX1310/RX1550nm DFB	SC/ST/FC	RJ-45	SM ,Single-fiber	60km
AOM-1800-B60	RX1310/TX1550nm DFB	SC/ST/FC	RJ-45	SM ,Single-fiber	60km
AOM-1800-A80	TX1310/RX1550nm DFB	SC/ST/FC	RJ-45	SM ,Single-fiber	80km
AOM-1800-B80	RX1310/TX1550nm DFB	SC/ST/FC	RJ-45	SM ,Single-fiber	80km