

Item	Media Converter
Product Name	Gigabit Ethernet Media Converter
Series NO.	AOM-3100B
Description	10/100/1000Base-T to 1000Base-X
	

Overview

AOM-3100B series Gigabit Ethernet Media Converter is designed to extend the distance of a network by converting fast Ethernet data between twisted pair cabling and fiber-optic cabling.

AOM-3100B features a 1000Base-SX/LX fiber port and a 10/100/1000Base-T twisted pair port. The fiber optic port provides SC connector and operating distance from 550m to 120km depending on different Models. The twisted pair port has a RJ-45 connector with a maximum operating distance of 100m. It also supports thunder-proof protection.

Features

- 10/100/1000Base-T to 1000Base-SX/LC
- UTP port supports auto-negotiation and auto-MDI/MDI-X
- UTP port supports full/half duplex operation
- Store-and-forward switching so only good packets are forwarded
- Transparent transmission for VLAN tagged/VOIP/QoS packets
- Flow control for traffic congestion
- Broadcast packet storm protection
- Comprehensive LED indicators

Specification

Standard	IEEE802.3 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX IEEE802.3x Flow control IEEE802.1d Spanning Tree, IEEE802.1Q VLANs
Performance	Processing Type: Store and Forward MAC Address: 8K Buffer Space : 1M Time delay: <20μs
Copper Port	Data Rate: 10/100/1000M Connector: RJ45 Connector Distance:100m
Fiber Port	Data Rate: 1.25G Connector: SC as default, FC/ST optional Wavelength: 850nm,1310nm,1490nm,1550nm Fiber Type: MMF, SMF, Bi-Di Distance:550m/2/20/40/60/80/100/120km
LED indicators	PWR: ON=Power Connected FDX : ON= Full-duplex working mode on UTP Port FL/A: Active=Data Transmitting on Fiber Port; ON=Fiber Connected TL/A: Active=Data Transmitting on Copper Port; ON=UTP Connected 100: ON= 100M Rate on UTP Port 1000: ON=1000M Rate on UTP Port
Power	Working power: DC5V 1A Power consumption: <2W Connector: DC Socket
Environment	Operating temperature : -10~65°C Storage Temperature: -20~70°C Relative Humidity: 5% to 95% non-condensing
Physical Characteristics	Housing: Metal Installation: Desktop
Dimension	Internal: 140mmx110mmx30mm
Gross Weight	External : 0.4kg Internal: 0.5kg

Order Information

Model No.	Specification
AOM-3100B-M05-IA	10/100/1000Base-T to 1000Base-X; MMF, 850nm, SC, 550m; External AC
AOM-3100B-M02-IA	10/100/1000Base-T to 1000Base-X; MMF, 1310nm, SC, 2km; External AC
AOM-3100B-S20-IA	10/100/1000Base-T to 1000Base-X; SMF, 1310nm, SC, 20km; External AC
AOM-3100B-S40-IA	10/100/1000Base-T to 1000Base-X; SMF, 1550nm, SC, 40km; External AC
AOM-3100B-A20-IA	10/100/1000Base-T to 1000Base-X; Bi-Di, TX1310/RX1550nm, SC, 20km; External AC
AOM-3100B-B20-IA	10/100/1000Base-T to 1000Base-X; Bi-Di, TX1550/RX1310nm, SC, 20km; External AC
AOM-3100B-A40-IA	10/100/1000Base-T to 1000Base-X; Bi-Di, TX1310/RX1550nm, SC, 40km; External AC
AOM-3100B-B40-IA	10/100/1000Base-T to 1000Base-X; Bi-Di, TX1550/RX1310nm, SC, 40km; External AC
AOM-3100B-M05-ID	10/100/1000Base-T to 1000Base-X; MMF, 850nm, SC, 550m; External DC
AOM-3100B-M02-ID	10/100/1000Base-T to 1000Base-X; MMF, 1310nm, SC, 2km; External DC
AOM-3100B-S20-ID	10/100/1000Base-T to 1000Base-X; SMF, 1310nm, SC, 20km; External DC
AOM-3100B-S20-ID	10/100/1000Base-T to 1000Base-X; SMF, 1550nm, SC, 40km; External DC
AOM-3100B-A20-ID	10/100/1000Base-T to 1000Base-X; Bi-Di, TX1310/RX1550nm, SC, 20km; External DC
AOM-3100B-B20-ID	10/100/1000Base-T to 1000Base-X; Bi-Di, TX1550/RX1310nm, SC, 20km; External DC
AOM-3100B-A40-ID	10/100/1000Base-T to 1000Base-X; Bi-Di, TX1310/RX1550nm, SC, 20km; External DC
AOM-3100B-B40-ID	10/100/1000Base-T to 1000Base-X; Bi-Di, TX1550/RX1310nm, SC, 20km; External DC
Note: SC connector as Default; FC/ST as request, 60/80/100/120km available	

Relative Product

16 Slot Chassis System For Card Type (Aluminum Alloy)	
AOR-16A-2A	16 Slot Chassis with redundant AC Power Supply, for standalone type
AOR-16A-2D	16 Slot Chassis with redundant DC Power Supply, for standalone type
AOM-3100B-M05/C	10/100/1000Base-T to 1000Base-X; MMF, 850nm, SC, 550m; Card Type
AOM-3100B-M02/C	10/100/1000Base-T to 1000Base-X; MMF, 1310nm, SC, 2km; Card Type
AOM-3100B-S20/C	10/100/1000Base-T to 1000Base-X; SMF, 1310nm, SC, 20km; Card Type
AOM-3100B-S40/C	10/100/1000Base-T to 1000Base-X; SMF, 1550nm, SC, 40km; Card Type
AOM-3100B-A20/C	10/100/1000Base-T to 1000Base-X; Bi-Di, TX1310/RX1550nm, SC, 20km; Card Type
AOM-3100B-B20/C	10/100/1000Base-T to 1000Base-X; Bi-Di, TX1550/RX1310nm, SC, 20km; Card Type
AOM-3100B-A40/C	10/100/1000Base-T to 1000Base-X; Bi-Di, TX1310/RX1550nm, SC, 40km; Card Type
AOM-3100B-B40/C	10/100/1000Base-T to 1000Base-X; Bi-Di, TX1550/RX1310nm, SC, 40km; Card Type
Note: SC connector as Default; FC/ST as request, 60/80/100/120km available	