

Item	Media Converter
Model No.	AOM-2100D(P)
Description	10/100/1000Base-T (POE) to 100/1000Base-X
 	

Overview

AOM-2100D(P) series POE Media Converter is the ideal solution for powering remote devices such as IP phones, video cameras, wireless access points, alarms, traffic controllers, sensors and tracking devices, which is located 100M far from the PSE converter, which support IEEE802.3af/at.

AOM-2100D(P)-SFP features a 100/1000Base-X fiber port and a 10/100/1000Base-TX twisted-pair port; flexible application for 100M or 1000M fiber optic network, easily upgrade from 100M into 1000M fiber network by changing SFP transceiver only.

Features

- IEEE 802.3af/at, PSE complaint
- Support LFP (Link-fault-pass-through) function
- Support 16K Jumbo Frame
- Flow Control for Video Application
- Support 100/1000Base-X by dip-switch
- RJ45 support auto MDI/MDI-X function
- Copper port support 10/100/1000M Auto-negotiation speed, half/full-duplex
- Support Ethernet ESD protection
- Desk-top and Wall- Mounted Installation (with kits)

Technical Specifications

Model No.	AOM-2100DP	AOM-2100D
Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX IEEE802.3af/at POE (PSE Compliance)	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-SX/LX
Performance	Processing Type: Store and Forward, Cut-through Operation Mode: Full/Half duplex mode Back Bandwidth: 4.0Gbps MAC Address table: 16Kbit Packet Buffer Size: 1Mbit Time Delay: <10us Jumbo Frame : Max.16K	
Copper Port	10/100/1000Base-T with PoE+, RJ45, 100m POE PIN: 1/2/3/6 Cat5 UTP cable	10/100/1000Base-T RJ45, 100m Non-POE Cat5 UTP cable
Fiber Port	100/1000Base-X SFP Slot 1000/Base-X 1x9 fix module, Connector: SC as default Distance: MMF 550m, SMF 20/40/80/100/120km, Bi-di: 20/40/80/100/120km	
LED indicators	PWR, POE, FL/A, TL/A, GX, GE	PWR, FL/A, TL/A, GX, GE
Dip-Switch	1- ON Enable Link Fault Pass-Through OFF Disable Link 2- ON 16K Jumbo Frame, OFF Store and Forward 3- ON Flow control enable, OFF Flow control disable 4- ON FX Speed 100Mbps, OFF FX Speed 1000Mbps	
Power	Working Voltage: 48~56VDC Power Consumption: ≤3W (un-loaded) Connector: DC Socket	Working Voltage: 5~12VDC Power Consumption: ≤3W (un-loaded) Connector: DC Socket
Environment	Operating temperature : -20~70°C Relative Humidity: 5-95% (no condensation)	
Physical Characteristics	Installation: Desk-top / Wall-Mounted Dimension: 94*70*26mm Weight: 0.45KG	Installation: Rack-Mounted, Wall-mounted Dimension: 94*70*26mm Weight: 0.4KG



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Order Information

Part No.	Description
AOM-2100DP-SFP-E24W	10/100/1000M PSE, Ext. AC-DC48V0.5A (Default)
AOM-2100DP-SFP-E65W	10/100/1000M PSE, Ext. AC-DC52V1.25A (Optional)
AOM-2100DP-M05-E24W	10/100/1000M, MMF, 850nm, SC, 550m, PSE, Ext. AC-DC48V0.5A
AOM-2100DP-S20-E24W	10/100/1000M, SMF, 1310nm, SC, 20km, PSE, Ext. AC-DC48V0.5A
AOM-2100DP-A20-E24W	10/100/1000M, Bi-di, TX1310/RX1550nm, SC, 20km, PSE, .Ext. AC-DC48V0.5A
AOM-2100DP-B20-E24W	10/100/1000M, Bi-di, TX1550/RX1310nm, SC, 20km, PSE, Ext. AC-DC48V0.5A
AOM-2100D-SFP-EA	10/100/1000M, Ext. AC-DC5V1A
AOM-2100D-M05-EA	10/100/1000M, MMF, 850nm, SC, 550m, Ext. AC-DC5V1A
AOM-2100D-S20-EA	10/100/1000M, SMF, 1310nm, SC, 20km, Ext. AC-DC5V1A
AOM-2100D-A20-EA	10/100/1000M, Bi-di, TX1310/RX1550nm, SC, 20km, Ext. AC-DC5V1A
AOM-2100D-B20-EA	10/100/1000M, Bi-di, TX1550/RX1310nm, SC, 20km, Ext. AC-DC5V1A