



Features

- Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX/100Base-FX and IEEE 802.3x flow control
- Provides media conversion for TP and Fiber optic media types
- Extends network span from 2km (MMF) to 20km (SMF)
- 10/100Mbps, auto-negotiation on TP port
- Supports back-pressure-based flow control for Half-Duplex and pause-frame-based flow control for Full-Duplex
- Wire speed store and forward technology

OPMA-xxx-AB series is 10/100Mbps Fast Ethernet Converter. It provides one 10/100M ports with auto-MDI/MDIX and two 100M Fiber ports which can extend the network radii. It complies with IEEE802.3 and IEEE802.3u standard. This enables network managers to connect 10Mbps and 100Mbps twisted pair network segments and active equipment to fiber optic cabling more cost-effectively than ever. WDM Technology Combines Dual Fiber Cables into Single Fiber. Greatly save the Installation cost of Expensive Fiber Cable. Both a media and data rate converter, this series features 10/100 auto-negotiation on the twisted pair port while the fiber port operates at 100 Mbps. This series converters are ideal for any premises FTTD, LAN to LAN or LAN to WAN fiber networking applications

Ordering Information

<i>Part Number</i>	<i>Description</i>
OPMA-M02-AB-CU-A1	1 port 10/100Base-TX + 2 port 100M FX MMF 2km SC connector
OPMA-M02-AB-CU-A2	1 port 10/100Base-TX + 2 port 100M FX MMF 2km ST connector
OPMA-S20-AB-CU-A1	1 port 10/100Base-TX + 2 port 100M FX SMF 20km SC connector
OPMA-S40-AB-CU-A1	1 port 10/100Base-TX + 2 port 100M FX SMF 40km SC connector
OPMA-S60-AB-CU-A1	1 port 10/100Base-TX + 2 port 100M FX SMF 60km SC connector
OPMA-S80-AB-CU-A1	1 port 10/100Base-TX + 2 port 100M FX SMF 80km SC connector
OPMA-B20-AB-CU-A1	1 port 10/100Base-TX + 2 port 100M FX Single Fiber BWDM Converter (TX1310/RX1550) 20km SC connector
OPMA-D20-AB-CU-A1	1 port 10/100Base-TX + 2 port 100M FX Single Fiber BWDM Converter (TX1550/RX1310) 20km SC connector



Specifications

Optical Interface:	Connector	1x9 (SC, ST)
	Data rate	100Mbps
	Duplex mode	Full duplex
	Fiber	MM 50/125μm, 62.5/125μm SM 9/125μm
	Distance:	MM 2km SM 20/40/60/80km WDM 20km
	Wavelength	MM 1310nm , SM 1310,1550nm WDM 1310Tx/1550Rx (type A) 1550Tx/1310Rx (type B)
	Electrical Interface:	Connector
Data rate		10Mbps, 100Mbps
Duplex mode		Half / Full duplex
Cable		10Base-T Cat.3, 4, 5, UTP 100Base-TX Cat.5, 5e or higher
Standard		IEEE 802.3, IEEE 802.3u, IEEE802.3x
Indications	LED at Power, Link/Act, Speed, Duplex/Collision	
Power Input	100 to 240VAC, 50 to 60Hz	
Temperature	0~60°C (Operating) -10 ~ 70°C (Storage)	
Humidity	5 ~ 90% non-condensing	
Power Supply	External Power Adapter (DC 5V/2A)	
Dimensions(D*W*H)	94 x 70.8 x 26.7mm	
Weight	350g	
Compliance	CE, FCC, LVD, RoHS	
MTBF	65,000 hrs (25°C)	