



Overview

OMC-1000A-SP series converters are designed to meet the massive needs for Gigabit network deployment and able to extend a copper based Gigabit network via fiber cable to a maximum distance up to 80KM. OMC series converters are fully compliant with IEEE802.3, IEEE 802.3u, IEEE802.3z & 802.3ab standards. It can be installed into a Standard Converter Chassis. The installation & operation procedures are simple & straightforward. Operation status can be locally monitored through a set of Diagnostic LED located in the front panel.

Feature

1000Base-T or 10/100/1000BaseT to 1000Base SFP Slot.
Standard : IEEE802.3 IEEE 802.3u IEEE 802.3z & 802.3ab
Interface: 1 x RJ-45 connector & 1 SFP Slot.
MDI/MDIX Auto-Crossover supported
LED: Power , DUP,FP-LINK,RX,1000,TX
Plug-and-Play installation
Support Jumbo Frame (64-9216 Byte)
Support Voltage Monitor

Technical Specifications

1000Base-T or 10/100/1000Base-T to 1000Base-SX/LX Media Converter With SFP Conn.

1. Standard Protocol: IEEE802.3 10 Base-T IEEE 802.3u 100Base-TX/FX IEEE 802.3z & 802.3ab standard
2. Connector : one RJ-45 Connector, one SFP Slot.
3. Operation mode: full duplex mode or half duplex mode
4. Power supply : Input: 100-240V AC, 50-60Hz ; Output 5V DC 1A
5. Environmental temperature: 0°C-60 °C
6. Relative humidity: 5%-90%
7. Dimensions: 26mmx 71mm x 94mm

LED Description

LED	function	status	Description
DUP	UTP port duplex LED	ON	Full duplex
		OFF	Half duplex
FP-LINK	Fiber port link/action status LED	ON	Fiber link is ok.
		OFF	Fiber link is fail.
PWR	Power LED	ON	Power is ON.
		OFF	Power is Fail.
RX	UTP port link/action status LED	ON	The TP link in ok
		Blink	Data is been received or transmitted
		OFF	The TP link in fail
1000	UTP port speed LED	ON	1000M speed
		OFF	100M speed
TX	UTP port link/action status LED	ON	The data send out

Ordering Information For SFP Transceivers

Part No.	Description	Conn.	Wavelength	Distance
SFP-1000FX85-D05	1000Base-SX SFP	LC	850nm	550m
SFP-1000FX13-D02	1000Base-SLX SFP	LC	1310nm	2 Km
SFP-1000FX13-D10	1000Base-LX SFP	LC	1310nm	10 Km
SFP-1000FX13-D40	1000Base-LH SFP	LC	1310nm	40 Km
SFP-1000FX15-D40	1000Base-LH SFP	LC	1550nm	40 Km
SFP-1000FX15-D80	1000Base-LH SFP	LC	1550nm	80 Km
SFP-1000WA35-D10 SFP-1000WB53-D10	1000Base WDM SFP	LC	A side:Tx1310nm/Rx1550nm B side:Tx1550nm/Rx1310nm	10 Km
SFP-1000WA35-D20 SFP-1000WB53-D20	1000Base WDM SFP	LC	A side:Tx1310nm/Rx1550nm B side:Tx1550nm/Rx1310nm	20 Km
SFP-1000WA35-D40 SFP-1000WB53-D40	1000Base WDM SFP	LC	A side:Tx1310nm/Rx1550nm B side:Tx1550nm/Rx1310nm	40 Km