



# CL-MC-XX-POE-YYW

10/100/1000M PoE(PSE) Media Converter / Internal Power Supply



## Key Features

- 10/100/1000Base-TX UTP to 1000Base-FX fiber media conversion
- IEEE802.3at / IEEE802.3af PoE PSE compatible
- Built-in AC/DC power supply
- Over-current protection
- choice of SC, LC, BiDi or other connectors for multimode and singlemode
- DIP switch to set different configurations
- LFP (Link Fault Pass-through) support

CL-MC series is a 10/100/1000Base-TX to 1000Base-FX (also can be forced to 100Base-FX) media converter, which allows two types of network segment to be connected easily. Complied with IEEE802.3at or IEEE802.3af standard, the AC/DC powered PoE media converter is a Power Sourcing Equipment (PSE) which combines data transferred over a fiber optic link with 48V (or other voltage) power supply, providing power to IEEE802.3at or IEEE802.3af powered device (PD) over CAT5e/CAT6 UTP cable (cable length up to 100meters / 330feet). The converter includes a single port PSE controller, which offers PD signature sensing and power monitoring features. Other features include over-current protection, LFP function, etc. The LFP (Link Fault Pass-through) allows the media converter to monitor both the fiber and copper RX port for loss of signal. In case of a loss of RX signal on one media port, the converter will automatically disable the TX signal to the other media port, thus passing through the link fault.



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## Technical Specifications

### Data Rates:

- 10/100/1000Mbps  
(IEEE802.3U IEEE802.3z 1000Base-Tx)
- 1000Mbps (1000Base-FX) or  
100Mbps (100Base-FX)

### Input Power Requirements:

- Input voltage ..... 100 VAC to 240 VAC
- Input frequency ..... 47 Hz to 63 Hz

### Power over Ethernet Output:

- Pin Assignment and Polarity  
For IEEE802.3af standard:.....1/2 (V+),3/6 (V-)  
For IEEE802.3at standard (30watts maximum):  
.....1/2 (V+),3/6 (V-)  
For IEEE802.3at standard (50watts maximum):  
.....1/2/4/5 (V+),3/6/7/8 (V-)
- Output Power.....please refer to ordering information
- Efficiency .....75% min
- Short circuit protection..... auto recovery
- Over current protection ..... auto recovery

### Environmental Conditions:

- Operating temperature ..... 0°C to 50°C
- Cooling ..... free air convection
- Storage temperature ..... -20°C to +85°C
- Operating Humidity .....90% max, non-condensing

### Mechanical Specifications:

- Case Material.....Iron
- Case Color.....Black
- Net Weight.....560g approx. / unit
- Dimensions.....110(W) x 40(H) x 140(L) (mm)

Do not include transceiver length

### Connectors:

- AC Inlet.....IEC-J-4
- LAN.....Shielded RJ-45
- Fiber.....see ordering information

Warranty : 1 years hardware warranty

\*Specifications subject to change without notice.



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\*XX – Media type (MM, SM, SFP)

\*YYW – Output Power in Watt

	Supported Standard	Output Voltage	Output Power	Remark
<b>CL-MC-XX-POE-YYW</b>	IEEE 802.3af	48V	15.4W max	default
<b>CL-MC-XX-POE-YYW</b>	IEEE 802.3af	48V	25W max	default
<b>CL-MC-XX-POE-YYW</b>	IEEE 802.3at	52V*	30W max	default
<b>CL-MC-XX-POE-YYW</b>	IEEE 802.3at	52V*	50W max	default