

# Gigabit Ethernet Media Converter

## MY-MC1004A/B



### 1. Overview

MY-MC1004A/B is Gigabit Ethernet Media Converters, which extend the 10,100 and 1000Mbps twisted-pair network segments up to 20km over fiber technology. The series media converter is compact and cost-effective design, provide 4-port 10/100/1000Mbps auto negotiation RJ45 connector and 1-port 1.25Gbps full-duplex on the fiber port with SC interface. It's widely used in security monitoring, wireless networking, optical fiber access and other application scenarios.

### 2. Features

- 4-port 10/100/1000M auto-negotiation RJ45 with auto-MDI/MDI-X
- Fiber port provides SC, multi-mode/single mode optional
- MY-MC1004A Tx/Rx 1310nm/1550nm, MY-MC1004B Tx/Rx 1550nm/1310nm
- Full duplex and Half duplex operation with IEEE 802.3x flow control
- 9k Jumbo Frame
- LED indicators for working status
- Support hot plug and play
- 5-12Vdc Wide range power input
- -20~60°C working temperature
- ESD, surge protection
- IP30 enclosure
- Wall-mounted Installation with optional kits
- Low power consumption, lead-free process
- CE/FCC/ROHS compliance

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### 3. Specification

Model	MY-MC1004A/B
Performance	
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x
Processing type	Store and Forward
Switch capacity	12Gbps
Packet forwarding Rate	7.24Mpps
MAC address	2k
Buffer Space	1M
Flow Control	support
Jumbo Frame	9k bytes
Interface	
Copper Port	10/100/1000M Auto-negotiation, RJ45 auto-MDI/MDI-X Cat5/Cat5e/Cat6, ≤100m
Fiber Port	1.25G SC, MY-MC1004A Tx/Rx 1310nm/1550nm, MY-MC1004B Tx/Rx 1550nm/1310nm OS1/OS2 ≤20km
Power Port	DC socket, φ2.5mm
LED indicators	PWR, Fiber Link/act, Copper Link/act
Electrical characteristics	
Input Voltage	5-12Vdc
Power Consumption	≤3W
Physical characteristics	
Enclosure	Metal IP30
Installation	Wall-mounted ( Optional kits)
Dimension	94x71x26mm
Net Weight	180g
Environment	
Working Temperature	-20~60°C
Storage Temperature	-40~85°C
Relative Humidity	5%~95% (no condensation )
Power Adaptor	
Input Voltage	100-240Vac 50/60Hz or 36-72Vdc
Output	5Vdc 1A

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### 4. Structure diagram(mm)

