

Fast Ethernet Switch Media Converter

MY-MC104A/B



1. Overview

MY-MC104A/B is Fast Ethernet Switch Media Converters, which extend the 10/100Mbps twisted-pair network segments up to 20km over fiber technology. The series switch media converter is compact and cost-effective design, provide 4-port 10/100Mbps auto negotiation RJ45 connector and 1-port 155Mbps 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 10/100M auto-negotiation RJ45 with auto-MDI/MDI-X
- Fiber port provides SC, single mode, bidi
- MY-MC104A Tx/Rx 1310nm/1550nm, MY-MC104B Tx/Rx 1550nm/1310nm
- Full duplex and Half duplex operation with IEEE 802.3x flow control
- 2048 byte maximum packet length
- LED indicators for working status
- Support hot plug and play
- -20~60°C working temperature
- ESD, surge protection
- IP30 enclosure
- Wall-mounted Installation (with optional kit)
- Low power consumption, lead-free process
- CE/FCC/ROHS compliance

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3. Specification

| Performance | |
|----------------------------|--|
| Standard | IEEE 802.3, IEEE 802.3u, IEEE 802.3x |
| Processing type | Store and Forward |
| Switch capacity | 1Gbps |
| Packet forwarding Rate | 0.744Mpps |
| MAC address | 2k |
| Buffer Space | 512Kbit |
| Flow Control | support |
| Max. Packet Length | 2048bytes |
| Interface | |
| Copper Port | 10/100M Auto-negotiation, RJ45 auto-MDI/MDI-X Cat5/Cat5e/Cat6, ≤100m |
| Fiber Port | 155M SC, MY-MC104A Tx/Rx 1310nm/1550nm, MY-MC104B Tx/Rx 1550nm/1310nm OS1/OS2 ≤20km; OM1/OM2 ≤2m |
| Power Port | DC socket, φ2.5mm |
| LED indicators | PWR, Fiber Link/act, Copper Link/act |
| Electrical characteristics | |
| Input Voltage | 5Vdc |
| Power Consumption | <2W |
| Physical characteristics | |
| Enclosure | Metal IP30 |
| Installation | Wall-mounted (Optional kits) |
| Dimension | 94x71x26mm |
| Net Weight | 175g |
| 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)

