

LA-MC1N-G0101XMicro

Micro Gigabit Media Converter, SM, Duplex, 1310nm, 20km
with AC to USB Adaptor and DC to USB Power Cord



Introduction

LA-MC1N-G0101XMicro 10/100/1000Mbps adaptive Gigabit Ethernet media converter adopts switching technology to fulfill media conversion. It complies with IEEE802.3, IEEE802.3u, IEEE802.3z and IEEE802.3ab standards. Presently it supports two types of media network connections: 10Base-T/100Base-TX/1000Base-T, and 100/1000Base-SX/LX, inter-converting electrical signals of 10Base-T/100Base-TX/1000Base-T twisted pairs with optical signals of 100/1000Base-SX/LX. It extends the transmission distance of network from 100m via copper cable to 20km (Up to 120km) via fiber optical cables. It supports transmission in multi-mode dual fiber, single mode dual fiber and single mode single fiber.

This media converter is super mini in size, it's easy to install and integrated in other equipment. It supports both 100M and 1000M on fiber port, that makes it compatible with more devices.



■ Features

- 1-port 10/100/1000BASE-T RJ45 with auto MDI / MDI-X function
- 1 SC Port, 100Base-FX or 1000Base-X dual mode (auto detection)
- Micro type design
- Supporting full-duplex and half-duplex and its auto-sensed
- Support 9k jumbo frame
- Supporting auto-sense of MDI/MDI-X, facilitating system commissioning and installation
- Options in single mode dual fiber, multi-mode dual fiber, and single mode in single fiber

■ Specification

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|-------------------------|---|
| P/N | LA-MC1N-G0101XMicro-20 |
| Access mode | 10/100/1000Mbps Gigabit Ethernet |
| Standard | IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-SX/LXGigabit Ethernet |
| Fiber Port | 1 SC Fiber Port, 100Base-FX or 1000Base-X dual mode (auto detection) |
| Wavelength | 850nm/1310nm/1550nm |
| Transmission distance | multi-mode Dual-fiber: 220m (62.5/125μm)/550m (50/125μm)single mode Dual-fiber: 20/40/60/80 Km single mode Single fiber: 20/40/60/80 Km Category-5 twisted pairs: 100m |
| Port | One RJ45 port: for connecting with STP/UTP cat5/6 twisted pairsOne optical port: Multi-mode Dual-fiber: SC (50, 62.5/125μm) Single mode Dual-fiber: SC (9/125μm) Single mode Single fiber: SC (9/125μm) |
| Conversion means | Media conversion |
| LFP | Not Support |
| BER | <10 ⁻⁹ |
| MTBF | 100,000 hours |
| LED indicator | PWR (Power supply) TX (LINK100/1000, TP cable rate 100/1000M) FX/ACT (Optical link action /TP cable packet forwarding action) |
| Power supply | DC 5~15V |
| Power consumption | 3W |
| Operating temperature | 0~45°C |
| Operating humidity | 5%~90% |
| Maintaining temperature | -40~70°C |
| Maintaining humidity | 5% ~ 90% non-condensing |

| | |
|------------------------|-----------------|
| Dimensions (W x D x H) | 62 x 44 x 18 mm |
|------------------------|-----------------|

Dimension



Ordering Information

| Model | Description |
|------------------------|---|
| LA-MC1N-G0101XMicro-20 | Micro 10/100/1000Base-Tx to 100/1000Base-Fx media converter, Single-mode, dual fiber, 1310nm, 20km, with AC to USB Adaptor and DC to USB Power Cord |