

1000M Gigabit Ethernet Media Converter

Model: 20103143 / 20109222



Overview

The 1000Mbps gigabit Ethernet media converter adopts switching technology to fulfill media conversion. It complies with IEEE802.3z and IEEE802.3ab standards, and supports two types of media network connections: 1000Base-T and 1000Base-SX/LX.

It inter-converts electrical signals of 1000Base-T twisted pairs with optical signals of 1000Base-SX/LX, extending the transmission distance of a network from 100m via copper cables to 50 km via fiber optical cables. It supports transmission in Multi mode dual fiber, single mode dual fiber and single mode single fiber.

Features

- Support inter-conversion between 1000Base-T and 1000Base-SX/LX
- 1000M media converter with SFP slot is available
- Support full-duplex and half-duplex and its auto-sensed
- Support auto-sense of MDI/MDI-Facilitating system commissioning and installation
- Support the transmission of extra-long VLAN packets
- Support Quality of Service (QoS) and ensuring the transmission of VoIP packets;
- Options in Multi mode dual fiber, single mode dual fiber and single mode single fiber

Technical Indexes

| Parameter | Specifications |
|-------------------------|---|
| Access mode | 1000Mbps Gigabit Ethernet |
| Standard | IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-SX/LX Gigabit Ethernet |
| 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 category-5 twisted pairs One optical port: Multi-mode Dual-fiber: SC/LC(SFP) (50, 62.5/125μm) Single mode Dual-fiber: SC/FC/LC(SFP) (9/125μm) Single mode Single fiber: SC/FC/LC(SFP) (9/125μm) |
| Conversion means | Media conversion/ Pass-through mode |
| BER | <10 ⁻⁹ |
| MTBF | 100,000 hours |
| LED indicator | PWR: Power FX: Fiber port signal detect FX-LINK/ACT: Fiber port link/action status 1000M: UTP port speed 1000M TX-LINK/ACT: UTP port link/action status FDX/COL: UTP port duplex |
| Power | External: AC90~264V/DC100~380V input, 5V2A output |
| Power consumption | 5W |
| Operating temperature | -10~55°C |
| Operating humidity | 5%~90% |
| Maintaining temperature | -40~70°C |
| Maintaining humidity | 5% ~ 90% non-condensing |
| Dimensions | 70mm (W) * 95mm (D)*26 mm (H) (external power supply) |