

CLR-MCG-11

10/100/1000Base-TX to
1000Base-FX SC SM
Converter 20km



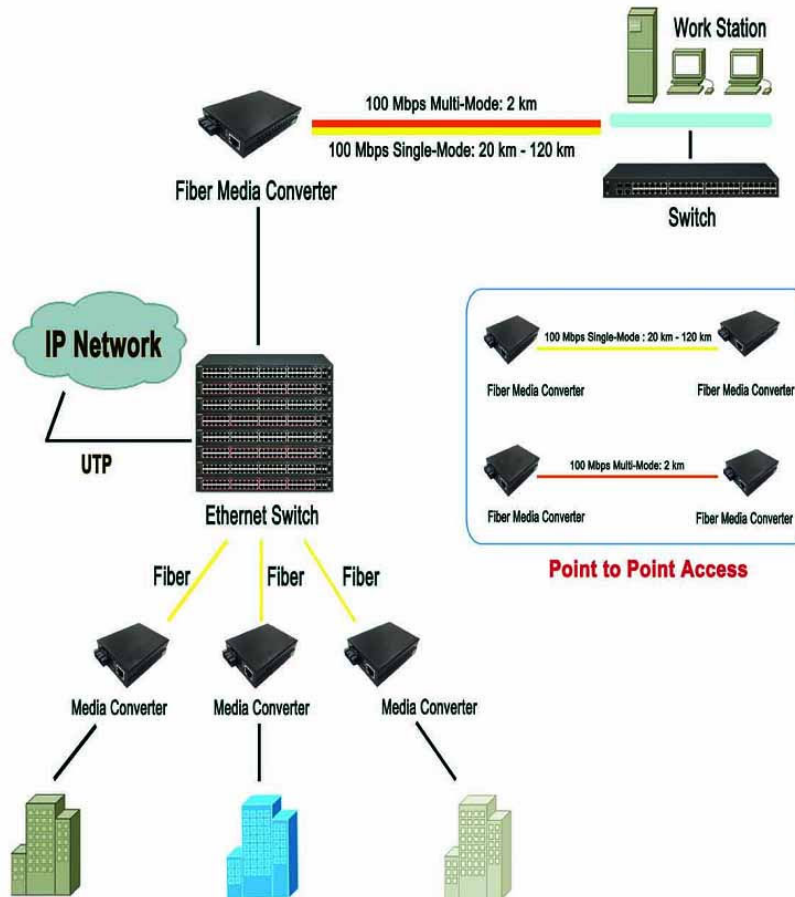
Overview

CLR-MCG-11 series 10/100/1000M 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: 10/100/1000Base-T and 1000Base-LX. It inter-converts electrical signals of 10/100/1000Base-T twisted pairs with optical signals of 1000Base-LX. It extends the network transmission distance from 100m via copper cables to 120km via fiber optical cable. It supports transmission in single-mode dual fiber.

Features

- Supporting inter-conversion between 10/100/1000Base-TX and 1000Base-LX
- Supporting full-duplex and half-duplex and its auto-sensed
- Supporting automatic cross connection of twisted pair interfaces, facilitating system commissioning and installation
- Supporting the transmission of extra-long VLAN packets
- Supporting Quality of Service (QoS) and ensuring the transmission of VoIP packets;
- Supporting STP to form a redundant network

Application



Specifications

Parameter	Specifications
Access mode	10/100/1000Mbps Gigabit Ethernet
Standard	IEEE802.3ab 1000Base-T , IEEE802.3z 1000Base-LX Gigabit Ethernet, IEEE802.1q VLAN, IEEE802.1p QoS, IEEE802.1d Spanning Tree
Wavelength	850nm/1310nm/1550nm
Transmission distance	single-mode: 20km~120km; Category-5 twisted pair: 100m

Port	One RJ45 connector: connected to STP/UTP category-5 twisted pair One or two optical ports: SM: SC/ST/FC (fiber size: 9/125µm)
Conversion means	Media conversion
Delay	<10us
BER	<10 ⁻⁹
MTBF	100,000 hours
LED	PWR (power supply), FX LINK (optical link action), TP LINK1000 (twisted pair link1000M), TP LINK100 (twisted pair link 100M), TP ACT (twisted pair packet forwarding)
Power	AC220 0.5A/DC-48 (built-in)
Power consumption	5W
Operating temperature	-10~55°C
Operating humidity	5%~90%
Maintaining temperature	-40~70°C
Maintaining humidity	5% ~ 90% non-condensing
Dimensions	26mm (H) * 70mm (W) * 94 mm (D) (external power supply)
	30mm (H) * 110mm (W) * 140 mm (D) (internal power supply)