10/100/1000Base-T to 1000Base-X SFP Media Converters

1-RJ45 + 1-Open SFP slot, Optional DIP switch

Overview

The MC-G series are 10/100/1000 SFP media converters designed to convert 10/100/1000BASE-T copper to 1000BASE-X SFP fiber optic. It features an open Gigabit SFP slot, allowing you to choose the MSA compliant pluggable transceiver that best meet your fiber connection needs. This 10/100/1000 SFP media converter supports both multimode and single mode fiber standards, with the transmission distances of up to 160 kilometers (99.4miles) depends on different SFP Transceiver. Our Gigabit SFP media converters offer a flexible and cost-effective way to extend the distance of an existing network, the life of non-fiber based equipment, or the distance between two devices, allowing you to maximize the usage and performance of legacy equipment.

This 10/100/1000 SFP Media Converter is manufactured with latest IC from USA, to provide a good electrical characteristic to ensure reliable data transmission and long working life. 6 Group LED indicated lights could fully monitor the working conditions of fiber converters, which is easy for end-users to observe and diagnose the failure of network operation.

This 10/100/1000 SFP media converter provides external power as default, it can be used as a stand-alone unit, or slide-in module when inserting into **14-slot Media Converter Rack Chassis** that allows all the fiber media converters to be powered by a single internal power supply.

Features

- Cost-effective migration from Gigabit copper to Gigabit fiber
- Auto-negotiation function allows UTP ports to auto select 10/100/1000M and Full Duplex or Half Duplex
- The UTP port supports the connection of MDI/MDI-X auto crossover
- Gigabit Open SFP slot to customize the network extension distance with any MSA-compliant transceiver
- Supporting flow control
- Easy-to-view LED indicators provide status to monitor network activity easily
- Compacts size for easy installation and working with Optcore *14-Slot Media Converter Chassis*
- ROHS compliant and Lead-Free
- Default as external switching power

Technical Specifications

Product Series	10/100/1000 SFP Fiber Media Converter	Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3z
Ports	1 x 10/100/1000BASE-T RJ45 port 1 x 1000BASE-X SFP port	Network Media	10/100/1000Base-T: Cat 5 UTP (maximum 100m) 1000Base-X SFP: Multi-mode or Single mode Fiber (maximum 160km, depends on the SFP transceiver)
Flow control	Full Duplex: IEEE802.3x Half Duplex: back pressure	LED indicator	POWER (power) FX LINK (fiber link action) TP LINK1000 (twisted pair connection 1000M) TP LINK100 (twisted pair connection 100M) TP ACT (twisted pair packet forwarding action) FDX (Ethernet interface mode indicator, ON: Full duplex / OFF: Half duplex)
Buffer space	256KB	MAC address	4K
Wavelength	Depends on SFP transceiver	Fiber Type	Depends on SFP transceiver
Power Supply	Input: AC 100~240V 50/60Hz Output: DC 5V 1A	Power Consumption	2.5W
Dimensions (WxDxH)	26×70×93mm	Net Weight	190 g (Excluding power adapter)
Environment	Operating: 0°C to 50°C, 10~90% RH Storage: -40°C to 70°C, 5~90% RH	Compliance	FDA IEC/EN 60825-1 RoHS, CE
Included in Package	1 - Fiber Media Converter 1 - Universal Power Adapter (EU/ US/UK/CN/SA) 1 - Warranty Card 1 - Instruction Manual	Shipping (Package) Weight	0.4 kg

Ordering information

Part number	Description
NT-MC-G	10/100/1000Base-T to 1000Base-X SFP Media Converter, Exclude SFP transceiver
NT-MC-GD	10/100/1000Base-T to 1000Base-X SFP Media Converter, with DIP switch, Exclude SFP transceiver

Warnings

Process plug

The optical transceiver in the Ethernet Media Converter is supplied with a dust cover. This plug protects the optical transceiver during standard manufacturing processes by preventing contamination from air borne particles. It is recommended that the dust cover remain in the transceiver whenever an optical fiber connector is not inserted.

Laser Safety

The Ethernet Media Converter is a Class 1 laser product per international standard IEC 60825-1. Radiation emitted by laser devices can be dangerous to human eyes. Avoid eye exposure to direct or indirect radiation.

We declare under our own responsibility that the above products satisfies all the technical regulations applicable to the product within the scope of Council Directives:
Directive 2014/30/EU, Directive 2014/35/EU, Directive 2011/65/EU

The above products is in conformity with the following standards or other normative documents:

EN 55022: 2010+AC: 2011, Class A

EN 55024: 2010

EN 61000-3-2: 2014

EN 61000-3-3: 2013

EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 +A2: 2013

EN 50581: 2012

The product carries the CE Mark

CE

For more product information, visit us on the web at www.netiks.rs