

1G/2.5G/5G/10GBase-T RJ45 Copper Ethernet to 10G SFP+ Fiber Media Converter

1-RJ45 + 1-Open SFP+ slot



Overview

Netiks NT-MC-10G device is 10G SFP+ media converter designed to convert 1G/2.5G/5G/10GBASE-T copper to 10GBASE-R SFP+ fiber optic. 10GBASE-T to 10GBASE-R Media Converter offers the network designer a device for migration from copper-based Ethernet to Fiber Ethernet. Now, migration or expansion of existing networks can be achieved with minimum cost and complexity. The converter is completely transparent to the network, so the network performs exactly the way it did before, only now it can support both copper and fiber media. And with a super-fast 10 Gbps connection, network speed stays constant for high-bandwidth data transfers. It features an open Gigabit SFP+ slot, allowing you to choose the MSA compliant pluggable transceiver that best meet your fiber connection needs. This media converter supports both multimode and singlemode fiber standards, with the transmission distances of up to 80 kilometers depends on different SFP+ Transceiver. Our 10G SFP+ media converter 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.

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 10G SFP+ media converter provides external power as default, it can be used as a stand-alone unit, or slide-in module when inserting into low-cost 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 10G copper to 10G fiber
- Auto-negotiation function allows UTP ports to auto select speed and Full Duplex or Half Duplex
- The UTP port supports the connection of MDI/MDI-X auto crossover
- 10-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
- ROHS compliant and Lead-Free
- Default as external switching power

Technical Specifications

Product Series	10G Ethernet Media Converter	Standards and Protocols	IEEE 802.3, IEEE 802.3an IEEE 802.3ae, IEEE 802.3az
Ports	1 x 10GBASE-T RJ45 port 1 x 10GBASE-X SFP+ port	Network Media	1000Base-T: Cat5 UTP/STP. MAX 100m 2.5GBase-T: Cat5e UTP/STP. MAX 50m 5GBase-T: Cat5e UTP/STP. MAX 50m 10GBase-T: Cat6a UTP/STP. MAX 50m 10GBase-X: Multimode or Singlemode Fiber (max 80km, depends on the SFP+ module)
Flow control	Full Duplex: IEEE802.3x Half Duplex: back pressure	Work Mode	1000Base-T to 1000Base-X 2.5GBase-T to 2500Base-X 5Gbase-T to 5GBase-R 10Gbase-T to 10GBase-R
Wavelength	Depends on SFP transceiver	Fiber Type	Depends on SFP transceiver
Jumbo Frame	9.6KB	LED indicators	PWR, 10G, FX Link/Act SD, TX Link, TX Act
Transmitter Power	Depends on SFP transceiver	Receiver Power	Depends on SFP transceiver
Power Supply	Input: AC 100~240V 50/60Hz Output: DC 12V 1.6A	Power Consumption	5W
Dimensions (WxDxH)	26×70×93mm, metal housing	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	0.5 kg

Ordering information

Part number	Description
NT-MC-10G	1G/2.5G/5G/10GBase-T to 10GBase-R SFP+ Media Converter, Exclude SFP transceiver

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



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