

10G/5G/2.5G/1G/100M Copper to 10GBASE-X SFP+ Media Converter (Built-in Power)



Description:

10G Fibre Media Converter

- Imported Marvel chips
- High bandwidth, high speed
- SFP optical slot design
- Industrial-grade wide temperature operation
- Card design for freestanding or upper 16-slot rack mounting
- Plug-and-play, no setup required

Overview

The TP-XG100 Media Converter is equipped with one 10G/5G/2.5G/1G/100BASE-T auto-negotiation port and one 10GBASE-X SFP+ slot. It supports 10Gigabit Ethernet media conversion from copper 10GBASE-T to fiber multi-mode or single-mode, utilizing 10GBASE-SR or 10GBASE-LR SFP+ transceiver. When installed in the SFP+ slot, it can be used to extend distances to servers, switches and patch panels. The deployment distance can be extended anywhere from 300 meters (multi-mode) to up to 80 kilometers (single-mode) depending on the SFP module selected. The TP-XG100 is designed for use in network environments where ultra-high bandwidth provided by 10G Ethernet is required.

The TP-XG100 offers wire-speed packet transfer performance without the risk of packet loss. The high data throughput makes it ideal for most Gigabit environments. With a 20Gbps internal fabric, 16K jumbo frame feature and auto negotiation support in its 10G port, the TP-XG100 can handle extremely large amounts of data transmission in a secure topology linking to data center cloud computing, enterprise backbones, campus networks, and carrier infrastructures.

The TP-XG100 Media Converter can be used as a stand-alone unit or as a slide-in module to the Hotcom Media Converter Chassis (TP100-2U-16D chassis series). The media chassis can assist in providing DC power to the HT-XG100 Media Converter to maintain the fiber-optic network at one centralized location. It can be wall mounted or desktop for efficient use of cabinet space.

Parameter:

Interface	1 x 10G/5G/2.5G/1G/100BASE-T RJ45 Auto-MDI/MDI-X, auto-negotiation 1 x 10GBASE-X R SFP+ interface
Optical Port	10G/5G/2.5G/1G/100M BASE-T: 10G-Cat 6A/Cat 7 5G-Cat 6/Cat 6A/Cat 7 1G/2.5G-Cat 5e/Cat 6/Cat 6A/ Cat 7 100M-Cat 5/Cat 5e/Cat 6/Cat 6A/ Cat 7 Cat 5/5e/6/6A/7 UTP cable (100 meters, max.) EIA/TIA-568 100-ohm STP (100 meters, max.) 10GBASE-LR/SR/BX: 50/125um or 62.5/125um multi-mode fiber optic cable, up to 300m 9/125um single-mode fiber optic cable, up to 80km
Ethernet Port	Available speed: force 10Gbps Full-Duplex and Half-Duplex auto-negotiation Back pressure for half duplex IEEE 802.3x pause frame for full duplex Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing

	Transmission distance:100m (Cat6A/Cat7/Cat8) Fabric: 20Gbps Throughput(packet per second): 2.48Mpps@64bytes Address Table: 9K entries, automatic source address learning and aging Jumbo Frame:16K
Standard	IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3bz 2.5G/5GBASE-T IEEE 802.3an 10GBASE-T IEEE 802.3ae 10Gbps Ethernet IEEE 802.3x full-duplex flow control
Power Requirement	Input: 5VDC 3A
Physical Characteristics	Housing: Metal enclosure Dimensions: 156 x 128 x 32mm Weight: 0.85kg Installation: Desktop, wall-mount, rack chassis
Environmental Limits	Operating Temperature: 0°C to 50°C Storage Temperature: -20°C to 70°C Operating Humidity: 10% to 90% RH Storage Humidity: 5% to 90% RH
Warranty	3 years

Application:

