10G Media Converter
**10G/5G/2.5G/1G/100M copper
to 10GBASE-X SFP**

Overview

10G Media Converter provide 10G/5G/2.5G/1G/100Base-T auto-negotiation port and one 10GBASE-X SFP+ Slot. It transparently connects 10G Ethernet links over multi-mode or single- mode fiber,including CWDM/DWDM wavelength.

The SFP slot on Media Converter allows for flexible network configurations to meet any requirement using a variety of MSA compliant SFP, provide by AOA, Cisco, or other manufacturers: the extended distance reach 80km.

10G Media Converter is designed for high bandwidth network needs: campus networks,data centre cloud computing,enterprise backbones and carrier infrastructure

Features

- 10GBASE-X SFP+ MSA compliant
- 10G/5G/2.5G/1G/100Base-T RJ45 interface with MDI/MDI-X function
- 100M half/full duplex and 1/2.5/5/10G full duplex mode
- 16K Jumbo frame
- 2KV Surge protection on copper and 4KV surge protection on DC power input
- 5-12VDC working voltage
- Auto-media detect for copper or fiber media plug-and-play
- Desktop, Wall-mounted, 2U 19" 14-slot rack-mounted installation
- Extremely low power consumption,fan-less and stable performance

Application

- Enterprise Switches with 2.5G/10G capabilities
- Data Center 10GBASE-T Switches and Servers
- ISP Backhaul Networking,802.11ac Access Point backhaul

Technical Parameters	Specifications
Standards	IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3bz 2.5G/5GBase-T
	IEEE802.2an 10GBase-T, IEEE802.3ae 10Gpbs Ethernet, IEEE802.3x Flow control
Performance	Processing Type: Store and Forward Back
	Bandwidth: 20Gbps
	Time Delay: <5us
	Jumbo Frame: 16Kbytes
Copper Port	Data Rate: 10G/5G/2.5G/1G/100/10Base-T Auto-negotiation Connector: RJ45, Auto MDI/MDI-X
	Distance: 100m
Fiber Port	Data Rate: 10G Connector: SFP+ Slot
	MSA compliant
LED indicators	PWR,10G Speed,
	Fiber link, Fiber link Act, Copper Link, Copper Link Act
Electrical	Power requirements: 5-12VDC, 2A Max.
	Power consumption: <4W, full-loaded Connector: DC socket
EMC Protection	Power port : IEC 61000-4-5 Level 4, 4KV
	Copper port : IEC 61000-4-5 Level 3, 2KV
	ESD : IEC 61000-4-2 Level 4 8KV/15KV
Environment	Operating temperature : -10~55 ℃
	Storage Temperature: -40~85 ℃
Physical Characteristics	Relative Humidity: 5~95% (no condensation)
	Dimension: 94*71*26mm
	Installation: Desk-top, wall mounting, Chassis Weight: 450g

Order Part Number

CTG-SFP1000   10G/5G/2.5G/1G/100M copper RJ45 to 10GBASE-X SFP+