

Dual Port 10GBASE-T to 10GBASE-R Media Converter
Rack Mountable and Desktop Form Factor Options

Interface Masters

TECHNOLOGIES

Innovative Network Solutions

OVERVIEW

Plug & Play

Tahoe 902 is a dual-port 10GBASE-T to 10GBASE-R media converter. The product leverages existing infrastructure investment by converting 10GBASE-R to 10GBASE-T bidirectionally with no packet loss.

Tahoe 902 can be deployed in a tabletop form factor or rack mounted using an optional rackmount plate (shown in the figure below). The media converter comes with SFP+ multi-mode or SFP+ single mode media. Tahoe 902 can be used with Category 6A or Category 7 UTP copper Ethernet cabling.

Tahoe 902 is designed to integrate into both lab testing and production environments. Typical applications include but are not limited to conversion between 10GBASE-T and 10GBASE-R ports on Ethernet switches and datacenter servers.



Tahoe 902 Front View

PRODUCT FEATURES

Tahoe 902 provides major features that are essential in today's data centers:

- Dual-port 10GBASE-T (RJ-45) support
- Dual-port 10GBASE-SR or 10GBASE-LR support
- Full duplex media conversion with no packet loss
- Low latency – 1.55 μ sec
- Supports transmission distance up to 50 meters over CAT 6A or CAT 7 cabling
- Plug and play – no additional drivers/configuration required
- Compact form factor: 7.80 inches by 4.4 inches
- Rack mountable with optional bracket (up to three Tahoe 902 in 1U)
- Cost-effective alternative to replacing expensive network equipment due to media incompatibility
- Data center cost saving by connecting Fiber 10G
- Ethernet ports to 10G copper ports
- AC 90V~240V to 12V DC adapter
- Full RoHS compliance
- EMC, FCC Class A certifications
- Long-term supported product
- Designed and manufactured in USA

ENVIRONMENTAL	
Operating Temperature	0° to 35 °C (32° to 95°F)
Operating Humidity	5-95%, relative humidity non-condensing
Maximum Power Consumption	8 Watts

DIMENSIONS		
	Inches	Millimeter
Length	7.80	198.12
Height	1.13	28.7
Width	4.4	11.76

ORDERING INFORMATION	
Part Number	Description
Tahoe 902-SR	Dual-port 10GBASE-T to 10GE SFP+ SR Fiber converter, includes SFP+SR optical module
Tahoe 902-LR	Dual-port 10GBASE-T to 10GE SFP+LR fiber converter, includes SFP+LR optical module
Tahoe 902-RM	Rackmount plate for Tahoe 902. Enables mounting 1-3 Niagara in a 1U rack

CUSTOMIZATION SERVICES

Hardware, Firmware, Linux O/S and application code development services available.



ABOUT INTERFACE MASTERS TECHNOLOGIES, INC.

Interface Masters Technologies is a leading provider of high-speed networking solutions focused on 1/10/25/40/100/200/400 Gigabit Ethernet networking solutions. For over 25 years, Interface Masters Technologies has been providing innovative networking solutions with customization services to OEMs, large enterprises and sophisticated end users. Interface Masters Technologies provides Ethernet switches, appliances, server adapter cards with high port density, networking offload and bypass functionality. Company headquarters are located in San Jose, CA with satellite offices in Hong Kong and Europe.