

# Tahoe 901

Single Port 10GBASE-T to 10GBASE-R Media Converter  
Rack mountable and Desktop form factor options

Product Brief

## Interface Masters

TECHNOLOGIES  
Innovative Network Solutions

### OVERVIEW

#### Plug & Play

TAHOE 901 is a single port 10GBASE-T to 10GBASE-R media converter. The product leverages existing infrastructure investment by converting 10GBASE-R to 10GBASE-T bi-directionally with no packet loss. TAHOE 901 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+ multimode or SFP+ single mode media. TAHOE 901 can be used with Category 6A or Category 7 UTP copper Ethernet cabling. TAHOE 901 is designed to integrate into 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 901 ISO View

### PRODUCT FEATURES

**TAHOE 901 provides major features that are essential in today's data centers:**

- Single port 10GBASE-T (RJ-45) support
- Single port 10GBASE-SR or 10GBASE-LR support
- Full duplex media conversion with no packet loss
- Low latency – 1.55  $\mu$ 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 901s 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

ENVIRONMENTAL	
Operating Temperature	0° to 35 °C (32° to 95°F)
Operating Humidity	5-95%, relative humidity non-condensing
Maximum Power Consumption	8 Watts
Airflow	100 LFM

ORDERING INFORMATION	
Part Number	Description
Tahoe 901-SR	Single port 10GBASE-T to 10GE SFP+ SR Fiber converter, includes SFP+SR optical module
Tahoe 901-LR	Single port 10GBASE-T to 10GE SFP+LR fiber converter, includes SFP+LR optical module
Tahoe 901-RM	Rackmount plate for Tahoe 901. Enables mounting 1-3 Niagara in a 1U rack

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

## CUSTOMIZATION SERVICES

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



## ABOUT INTERFACE MASTERS TECHNOLOGIES, INC.

Interface Masters Technologies is a long term Cavium partner and leading provider of high speed networking solutions focused on Gigabit, 10 Gigabit, 40 Gigabit and 100 Gigabit Ethernet networking solutions. For over 20 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.