

Niagara 902

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

Product Brief

OVERVIEW

Plug & Play

Niagara 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 bi-directionally with no packet loss. Niagara 902 can be deployed in a tabletop form factor or rackmounted using an optional rackmount plate (shown in the figure below). The media converter comes with SFP+ multi-mode or SFP+ single mode media. Niagara 902 can be used with Category 6A or Category 7 UTP copper Ethernet cabling. Niagara 902 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.



PRODUCT FEATURES

Niagara 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 6 or CAT 6A cabling
- Plug and play – no additional drivers/configuration required
- Compact form factor: 7.80 inches by 4.4 inches
- Rackmountable with optional bracket (up to 3 Niagara 902s 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	
Operating Humidity	5% to 95%	
Maximum Power Consumption	8 Watts	
Airflow	100 lf/m	
DIMENSIONS		
	millimeter	inches
Length	198.12	7.80
Height	28.7	1.13
Width	111.76	4.4

ORDERING INFORMATION	
Part Number	Description
Niagara 902-SR	Dual Port 10GBASE-T to 10GE SFP+ SR Fiber Converter
Niagara 902-LR	Dual Port 10GBASE-T to 10GE SFP+ LR Fiber Converter
Niagara 902-RM	Rackmount plate for Niagara 902. Enables mounting 1-3 Niagara 902 in a 1U rack



ABOUT INTERFACE MASTERS TECHNOLOGIES, INC.

Interface Masters Technologies is a leading provider of high speed networking solutions focused on Gigabit, 10 Gigabit, 40 Gigabit and 100 Gigabit Ethernet network access and connectivity products. For over 20 years, Interface Masters has been providing innovative networking solutions with customization services. Interface Masters has been an OCP member contributing multiple white box designs to the project while supporting customer SDN development. Interface Masters OCP switches can be modified according to customer requirements and are provided with complete SDK and source code required to support software development. All products are designed and manufactured in San Jose, CA.