

## Packet Management Appliance

The Niagara 5002-8 performs time stamping, de-duplication, packet and flow slicing and flow-based load balancing. The 5002-8 provides eight ports of 10G fiber and can handle up to 80Gbps of bidirectional traffic.

Packet slicing and flow slicing are features required and utilized by network monitoring, network forensics, network security and deep packet inspection (DPI) systems.



Flexible packet slicing minimizes the amount of data required to be stored and processed on the networking tools, optimizing their efficiency. Flow slicing provides better control of traffic and reduces the load for DPI tools, when inspecting flows and protocols.

De-duplication eliminates multiple copies of packets, to reduce the amount of data that needs to be put into storage or transferred to monitoring devices within the network.

Time-stamping is essential for network forensics and security applications. For performance monitoring, as more transactions occur on a network, time-stamping becomes necessary in order to be able to pinpoint communication delays or latencies, facilitating network optimization.

The Niagara 5002-8 is designed to run in conjunction with a broad range of applications, including security, performance monitoring, networking forensics, lawful intercept, storage and data center server appliances.

## Product Highlights

### Essential features

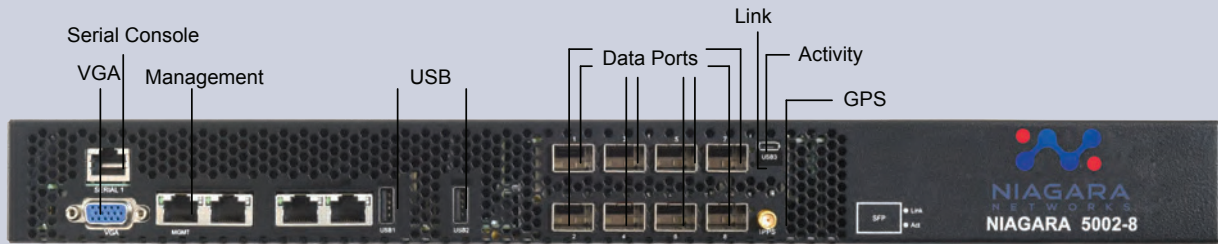
- Time Stamping
- De-duplication
- Load Balancing
- Tunnel handling, supported during Load-balancing
  - VLAN
  - Q-Q
  - MPLS, Multi MPLS
  - IP-in-IP
  - GTP-U
  - GRE-1/2
- Configurable Flow Slicing and Packet Slicing

### System key components

- Time stamping at 10G rates at Nano-second granularity
- Packet De-duplication per flow
- Eight dual speed SFP+ Ports (SR or LR)
- Two Redundant hot pluggable power supplies
- One Management
- 1U chassis

### Certifications

- Full RoHS compliance
- FCC Class A, CE, UL



Environmental		Dimensions	
Operating Temperature	0 to 40°C or 32 to 104 °F	Length	12in (279.4mm)
Operating Humidity	5 to 95%	Height	1.75in (44.5mm)
Maximum power consumption	Less than 47 W	Width	16.75in (425.5mm)
Airflow	Front to Back		

## About Niagara Networks

Niagara Networks provides high performance network visibility solutions for seamless administration of security solutions, performance management and network monitoring. Niagara Networks products provide advantages in terms of network operation expenses, downtime, and total cost of ownership.

A former division of Interface Masters, Niagara Networks provides all the building blocks for an advanced Visibility Adaptation Layer at all data rates up to 100Gb, including Taps, bypass elements, packet brokers and a unified management layer. Thanks to its integrated in-house capabilities and tailor-made development cycle, Niagara Networks are agile in responding to market trends and in meeting the customized needs of service providers, enterprise, data centers, and government agencies.