

## Plug and Play

The Niagara 4224TX-24TG is a 48 Port 10 Gigabit Hardware Packet Master/Loadbalancer for network analysis and monitoring applications. The Packet Master has flexible and extensive configuration options which enable it to be tailored to optimize the way traffic is managed. The system can support L2-L4 packets, IPv6 and IPv4 traffic, MPLS packets and provides the ability to customize keys for distribution. The system support 24 ports of 1G RJ45 copper and up to 24 ports 10GBASE-T Copper (which supports 1G RJ45 copper as well). The Packet Master provides sophisticated features for flexible traffic management including mirroring to multiple ports, aggregation of multiple ports to a single port, and an extensive filtering engine. There are several session based load balancing methodologies supported which enable traffic to be distributed according to any configured output of ports and the distributing keys can be defined as follows:

- VLAN ID
- IP-Src, IP-Dst
- MAC-Src, MAC-Dst
- TCP-Port
- UDP-Port
- User Defined Byte (UDB) – configurable distribution key



## Key Features

- 24 Ports 1G RJ45 Copper
- Up to 24 ports 10GBASE-T Copper (which can support 1G RJ45 Copper)
- Low Power Consumption - 230 Watts
- Traffic Distribution and session-based load balancing
- Traffic Aggregation
- Mirroring of one to many and any to any
- L2, L3 and L4 filtering
- Packet slicing
- MPLS, Q in Q support
- Port Failover Mechanism
- Advanced Management - Syslog, TACACS+, RMON, secure WEB, CLI, SSH, counters
- Web GUI - intuitive “drag and drop” and “point & click” configuration of input ports, output ports and filters
- 1U Rackmount Form Factor
- Dual AC or DC Redundant removable power supplies for maximum reliability
- Front to back and back to front airflow (factory configurable)
- Support for a total of 2000 filtering and redirection rules

## System Characteristics

- Max system throughput 960 Gbps
- Support for 10GBASE-T and RJ45
- Low Power – 230 Watts
- 1U chassis
- Serial console and Ethernet management port
- Full RoHS compliance
- EMC, FCC Class A, UL (Safety) Certifications

## Environmental

<b>Operating Temperature</b>	0 to 55 °C or 32 to 131 °F
<b>Relative Humidity</b>	5% min, 95% max, non-condensing
<b>Maximum Power Consumption</b>	Up to 230 Watts
<b>Airflow</b>	100 lf/m

## Dimensions

	mm	inches
<b>Length</b>	440.182	17.33
<b>Height</b>	44.450	1.75
<b>Width</b>	440.182	17.33

## Ordering Part Numbers

Part Number	Description
Niagara 4224TX-24TG	24 port 1G RJ45 Copper & 24 port 10GBASE-T copper Hardware PacketMaster/Loadbalancer
Niagara 4216TX-24TG *	24 port 1G RJ45 Copper & 16 port 10GBASE-T copper Hardware PacketMaster/Loadbalancer
Niagara 4208TX-24TG *	24 port 1G RJ45 Copper & 8 port 10GBASE-T copper Hardware PacketMaster/Loadbalancer

\* Please contact factory for more information.

### Product Line

- Network Interface Cards with Bypass
- Network Interface Cards without Bypass
- External Bypass Products
- SSL/IPSec Cards
- Embedded Switches
- Embedded Platforms
- Development Tools
- TAP Systems

### About Interface Masters Technologies, Inc.

[Interface Masters Technologies](#) is a leading vendor in the network monitoring and high speed networking markets. Based in the heart of the Silicon Valley, Interface Masters' expertise lies in Gigabit, 10 Gigabit and 40 Gigabit Ethernet network access and network connectivity solutions that integrate with monitoring systems, inline networking appliances, IPS, UTM, Load Balancing, WAN acceleration, and other mission-critical IT and security appliances.

Flagship product lines include [hardware load-balancers](#), [specialized 10GE internal server adapter cards](#), switches, [10 Gigabit external intelligent Network TAP](#) and [Bypass](#) and [failover](#) systems that increase network visibility capabilities, network reliability and inline appliance availability.

Company Headquarters is located in San Jose, CA with satellite offices in Hong Kong and Europe.



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