Interface Masters
T E C H N O L O G I E S
Innovative Network Solutions

Niagara 4224-24TX
48 Port Hybrid Hardware Packet Master
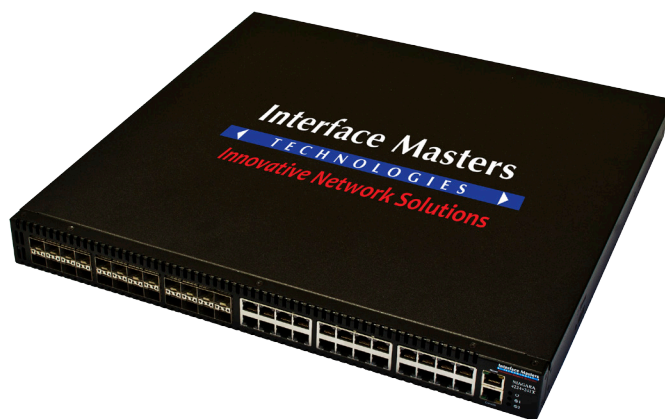*24 ports 10 Gigabit SFP+ and 24 Ports 10GBASE-T Copper*

Plug and Play

The Niagara 4224-24TX 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 10GBASE-T (including support for RJ45) and up to 24 ports SFP+ support including multi-mode, single-mode and copper options. 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 10GBASE-T Copper (which can support 1G RJ45 Copper)
- Up to 24 ports 10 Gigabit SFP+ (support 1G SFP fiber or copper)
- Low Power Consumption - 265 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, RJ45, SFP and SFP+ (SR, LR, ER, SX, LX, TX)
- LC connectors on SFP+ ports
- Low Power – 265 Watts
- 1U chassis
- Serial console and Ethernet management port
- Full RoHS compliance
- EMC, FCC Class A, UL (Safety) Certifications

Environmental

Operating Temperature	0 to 55 ºC or 32 to 131 ºF
Relative Humidity	5% min, 95% max, non-condensing
Maximum Power Consumption	265 Watts
Airflow	100 lf/m

Dimensions

	mm	inches
Length	440.182	17.33
Height	44.450	1.75
Width	440.182	17.33

Ordering Part Numbers

Part Number	Description
Niagara 4224-24TX	24 port 10GBASE-T Copper & 24 port 10 Gigabit SFP+ Hardware PacketMaster/Loadbalancer
Niagara 4216-24TX *	24 port 10GBASE-T Copper & 16 port 10 Gigabit SFP+ Hardware PacketMaster/Loadbalancer
Niagara 4208-24TX *	24 port 10GBASE-T Copper & 8 port 10 Gigabit SFP+ 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 high speed networking market including Bypass, TAP, switches and smart NICs products, based in the heart of the Silicon Valley. Interface Masters' expertise lies in Gigabit, 10 Gigabit and 40 Gigabit Ethernet networking solutions that integrate with monitoring, inline networking, 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 monitoring capabilities, network reliability and inline appliance availability.

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

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