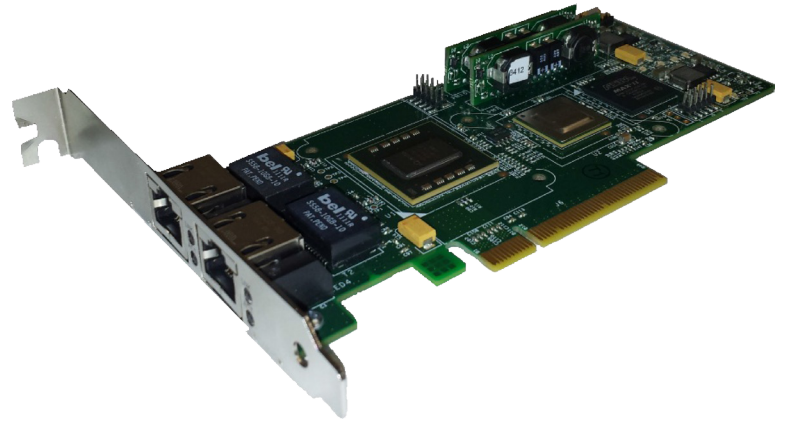


Overview

Niagara 32722-TX is a Low Profile, Dual port 10GBASE-T NICs based on Mellanox ConnectX-3 Pro, 10 Gigabit technology.

The Niagara 32722-TX Network Interface Card (NIC) with PCI Express 3.0 deliver high-bandwidth and industry-leading connectivity for performance-driven server and storage applications in enterprise, data centers, high performance computing and embedded environments.



Features

Ethernet

- IEEE Std 802.3ae 10 Gigabit Ethernet
- IEEE Std 802.3ad Link Aggregation and Failover
- IEEE Std 802.3x Pause
- IEEE 802.1Q, .1p VLAN tags and priority
- IEEE Std 802.3Qau Congestion Notification
- IEEE P802.1Qbb D1.0 Priority-based Flow Control
- Multicast
- Jumbo frame support (10KB)
- 128 MAC/VLAN addresses per port

TCP/UDP/IP Stateless Offload

- TCP/UDP/IP checksum offload
- TCP Large Send (< 64KB) or Giant Send (64KB-16MB) Offload for segmentation
- Receive Side Scaling (RSS) up to 32 queues
- Line rate packet filtering

Additional CPU Offloads

- RDMA over Converged Ethernet
- Traffic steering across multiple cores
- Intelligent interrupt coalescence
- VXLAN and NVGRE Offload

Component Specifications

BENEFITS

- 10G connectivity for servers and storage
- Industry-leading throughput and latency performance
- Virtualization acceleration

- Software compatible with standard TCP/UDP/IP and iSCSI stacks

KEY FEATURES

- Dual 10 Gigabit
- PCI Express 3.0 (up to 8GT/s)
- Low Latency RDMA over Ethernet
- Data Center Bridging support
- TCP/IP stateless offload in hardware
- Traffic steering across multiple cores
- Hardware-based I/O virtualization
- Intelligent interrupt coalescence
- Advanced Quality of Service

Drivers

- Windows
- Linux
- Free BSD
- VMware ESX
- XEN
- Hyper-V
- Citrix XenServer 6.1
- Novell SLES, Red Hat Enterprise Linux (RHEL), Fedora, and other Linux distributions
- Windows Server 2008/2012
- OpenFabrics Enterprise Distribution (OFED)
- OpenFabrics Windows Distribution (WinOF)
- Ubuntu 12.04
- VMware ESXi 4.x and 5.x

Environmental

Max Operating Temperature	40°C (104°F)
Power Consumption	13 Watts

Dimensions

	mm	inches
Length	152.4	6.0
Height	68.199	2.685
Width	17.7419	0.6985

Ordering Part Number

Part Number	Description
Niagara 32722-TX	Dual Port 10GBASE-T NIC based on Mellanox

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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TECHNOLOGIES

Innovative Network Solutions