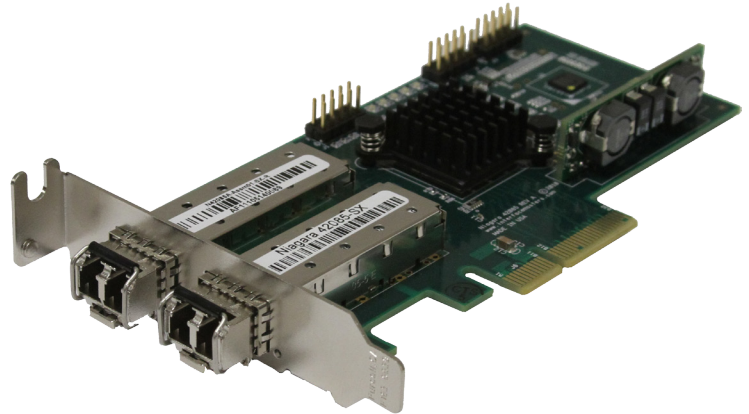


## Overview

Niagara 32085 Dual Port Gigabit Ethernet Server Adapter is built on Intel's 82576 Gigabit technology & Interface Masters' sterling design and customer service.

Niagara 32085 Dual Port Fiber Gigabit Ethernet NIC is designed to integrate with PCI Express compatible servers and high-end appliances providing high speed networking for any mission critical application.



## Features

- Intel 82576EB Dual MAC & PHY ethernet controller
- Peak bandwidth 2.5 Gb/s in each direction per PCI Express lane
- 4 Gigabit per second of traffic when fully utilized
- PCI-E x4 (Gen 2.0) compatible
- Two RJ45 Connectors
- Link Fault Detection (LFD) support
- Integrated PHY for full and half-duplex 10/100/1000 Base-T Support
- TCP/UDP/IP checksum offload and TCP segmentation
- IEEE 802.1q, 802.3ab, 802.3u, 802.3x compliant
- Layer 2, 3 and 4 Advanced packet filtering capabilities (IPv4, IPv6)
- Efficient form factor – 5.2 inches in length and 2.64 inches in height
- Low Power Consumption (3.7W maximum power)
- Full RoHS compliance
- FCC Class A and CE certification

## Component Specifications

The Intel 82576 provides support for:

- PCI Express 2.0 (2.5GT/s)
- Low Power 2.4W
- Protocols: TCP, UDP & SCTP
- Queues per port: (16) Tx & (16) Rx Queues
- Enhanced Virtualization Support
  - » VMDq2 & PCI SIG IOV
- Intel® I/OAT Acceleration v3.0
  - » VM Direct Assignment (VT-d)
- Data Center Ethernet
  - » Traffic Classes (802.1q): 2
  - » Flow Interrupt Priority (802.3ar)
  - » Priority Grouping (802.1P)
- End-to-End Congestion Mgmt (802.1 PAR)
- IEEE 1588 Support
  - » Manageability interfaces
    - ⇒ RMI, SMBus, PXE, iSCSI Boot
- Layer 2 & 3 Security: IPSec & LinkSec

## Environmental

Operating Humidity	0%–90%, non-condensing
Operating Temperature	0°C – 50°C (32°F - 122°F)
Storage Temperature	-20°C – 65°C (-4°F – 149°F)

## Dimensions

	mm	inches
Length	132.08	5.2
Height	67.056	2.64

## Ordering Part Number

Part Number	Description
Niagara 32085-NO SFP	PCI-e, Dual Port Gigabit NIC without SFP
Niagara 32085-SX	PCI-e, Dual Port Gigabit NIC with SFP Fiber Multi-Mode
Niagara 32085-LX	PCI-e, Dual Port Gigabit NIC with SFP Fiber Single-mode

## Product Line

- External Bypass Systems/Switches 1Gb and 10Gb
- External 1GE and 10GE Aggregation TAP system
- Special Server Adaptors/NIC cards supporting
  - » Multi Port NIC cards - Copper, Fiber MM and Fiber SM
  - » 10/100, Gigabit and 10 Gigabit - Supporting Fiber SX, LX, SR and LR
  - » NIC cards with Bypass and Security
  - » PCI-Express, PCI-X, PMC and PC104 Plus
- Gigabit and 10GE Embedded Switches

## 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.



## Contact Interface Masters

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