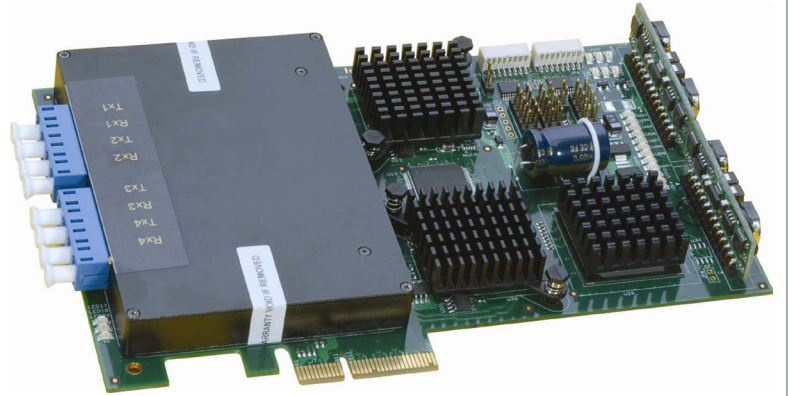


Overview

Niagara 2284 is designed with a built-in programmable bypass circuit to provide maximum up time for the network. The Bypass circuit takes the Niagara 2284 ports off line in case of either power or software failure. The bypass circuit works in absence of power.

Niagara 2284 Gigabit Ethernet Server Adapters is built on Intel's Gigabit technology and Interface Masters' sterling design and customer service.

Niagara 2284 is optimized to support x4 PCI Express bus at speeds of up to 2.5 Gb/s per PCI express lane.



Features

- Intel's 82571EB controller
- Peak bandwidth 2.5 Gb/s in each direction per PCI Express lane
- Programmable "Close" or "Open" while in the power off state
- Programmable independent mode to function as dual Giga bit fiber card
- Two integrated PHYs for 10/100/1000 Mb/s full- and half-duplex operation
- IEEE 802.3ab, 802.3u, 802.3x compliant
- Host offloading – TCP/IP/UDP checksum, TCP segmentation and advanced packet filtering
- Four full duplex LC Connectors
- Multi Mode & Single Mode fiber

Block diagram

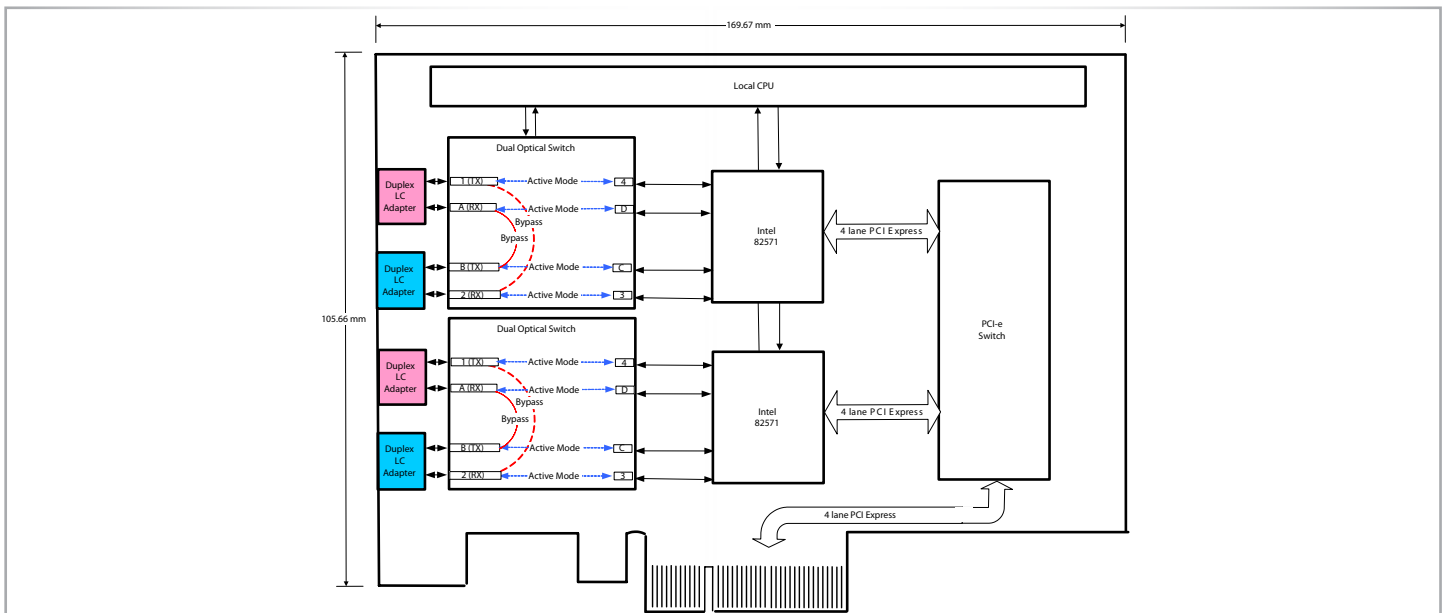


Table 1 - Environmental

| | |
|------------------------------|-----------------------------|
| 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) |

Table 2 - Dimensions

| | mm | inches |
|---------------|-----|--------|
| Length | 171 | 6.732 |
| Height | 106 | 4.173 |

Table 3 - Ordering Part Number

| Part Number | Description |
|-----------------|--|
| Niagara 2284-SX | PCI-e, Quad Port Multi-Mode Fiber Gigabit NIC with Bypass |
| Niagara 2284-LX | PCI-e, Quad Port Single-Mode Fiber Gigabit NIC with Bypass |

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 Us

Interface Masters Technologies is a leading vendor in the Bypass and TAP Networking market, based in the heart of the Silicon Valley. Interface Master's expertise lies in Gigabit and 10 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 specialized 10GE internal server adapter cards, embedded switch boards, and 10 Gigabit external intelligent Network TAP, 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 Germany.



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