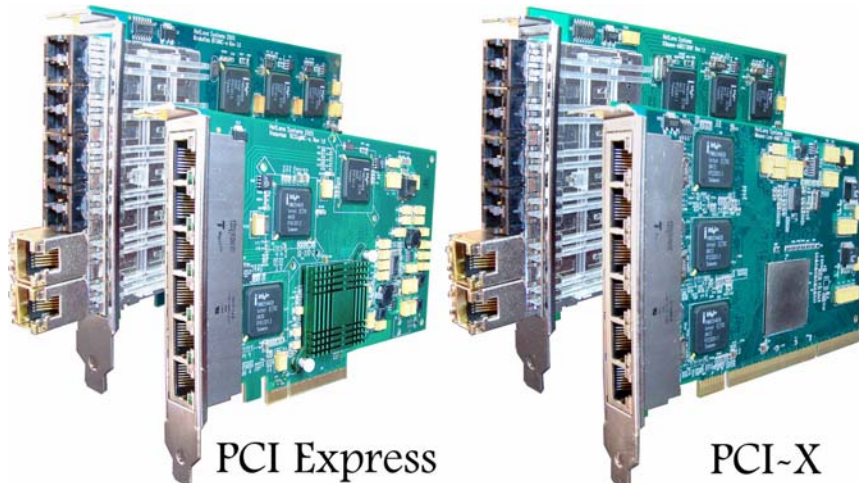


SIX-PORT GIGABIT ETHERNET NETWORK ADAPTERS



HIGHLIGHTS:

- **Highest Port Density in a PCI Card**
- **Highest Network I/O Performance**
- **Hot Swappable and Interchangeable SFP Transceiver Modules**
- **Plug and Play Installation**
- **Native Driver support for virtually all operating systems**

SIX INDEPENDENT GIGABIT ETHERNET PORTS – FIBER OR COPPER

The 6GNICs are a RoHS compliant family of PCI Express and PCI-X based gigabit Ethernet adapters offering six independent channels in a single PCI card. Ideally suited for space constrained network appliances and servers, they offer maximum port density and network bandwidth from modern high-end server boards.

FEATURES

- Highest port density in a standard PCI card
- Small Form Pluggable (SFP) Transceivers
- PCI Express x8 signaling
- PCI – X at 66, 100, or 133MHz
- Intel 82546 Ethernet Controllers
- IEEE 802.3ab compliance
- Ultra Deep 64KB Packet Buffer per Channel
- Large Send Off-load & TCP Segmentation Off-load
- Interrupt Moderation

BENEFITS

- ⇒ Most efficient usage of space and bus bandwidth
- ⇒ Flexibility to mix and match any combination of multi-mode, single-mode or copper media
- ⇒ Enables maximum network I/O bandwidth from today's high-end server boards
- ⇒ Supports all 64-bit PCI slots on current as well as legacy server boards
- ⇒ Native driver support for virtually all operating systems
- ⇒ Supports gigabit Ethernet industry standard
- ⇒ Lowers CPU utilization and minimizes congestion
- ⇒ Enables near wire-speed performance with low CPU utilization. Compatible with Large Send Off-load feature in Windows Server 2003, 2000 and XP.
- ⇒ Delivers higher performance with lower CPU utilization

PRODUCT SPECIFICATIONS

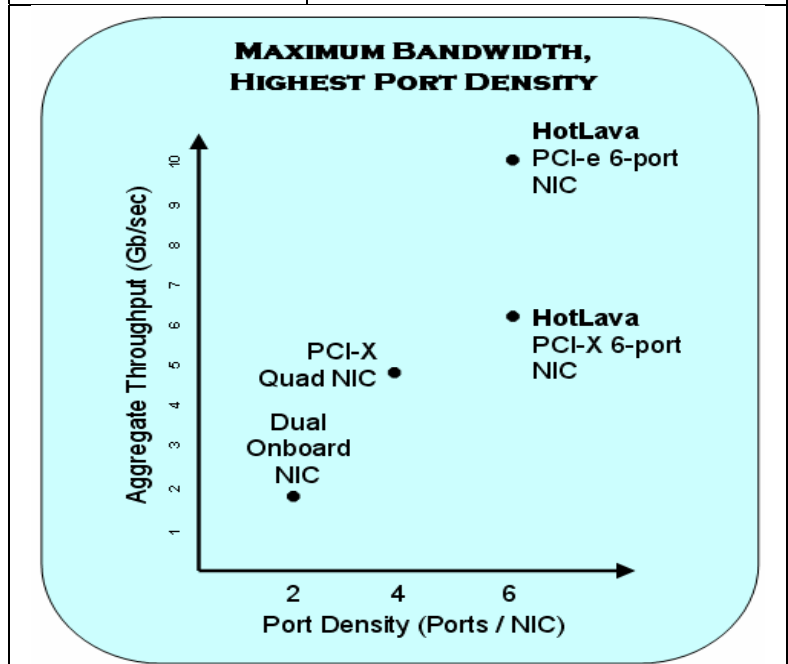
Product Name	KRAKATOA	VESUVIUS	KILAUEA	MAUNA LOA
Slot Type	PCI Express	PCI Express	PCI - X	PCI - X
Media Connector	(6) Hot-Swappable SFP/ LC modules	(6) Copper RJ-45 MDX Auto negotiating	(6) Hot-Swappable SFP/ LC modules	(6) Copper RJ-45 MDX Auto negotiating
Network Topology	1000BASE-SX 1000BASE-LX 1000BASE-T	10BASE -T 100BASE -TX 1000BASE -T	1000BASE-SX 1000BASE-LX 1000BASE-T	10BASE-T 100Base-TX 1000Base-T
Form Factor	6.58 in x 4.33 in	6.58 in x 4.33 in	6.58 in x 4.21 in	6.58 in x 4.21 in
Status LEDs	Link Active, Activity	Link Active, Activity, Rate	Link Active, Activity	Link Active, Activity, Rate
Power Consumption	18W max	22W max	12W max	17W max

COMMON SPECIFICATIONS

Operating System Support	Windows Server 2003, 2000 Windows XP, 32 & 64 bit Windows NT Linux 2.4x or later FreeBSD 4.x or later NetBSD 1.6.x or later Novell Netware 4.11 or later Solaris 7 or later UnixWare 7.x OpenUNIX 8 (ddl8) SCO 5 VMWare – ESX Xen, XenEnterprise Inferno
General IEEE Compliance Onboard Cache Ethernet Controllers	802.3z, 802.3ad, 802.1q, 802.3x, 802.1p 384 KB (64 KB/port) (3) Intel 82546
Advanced Features	Adapter Fault Tolerance Switch Fault Tolerance Adaptive Load Balancing 802.3AD Link Aggregation 802.1Q VLAN Tagging 802.3x Flow Control 802.1p Class of Services TCP Checksum Offload TCP Segmentation Offload Interrupt Moderation
Environmental Operating Temp Storage Temp Operating Humidity Storage Humidity RoHS 6 Compliant	0 to 55 °C with 200 LFM airflow -40 to 70 °C 5 to 85% non-condensing 0 to 85% non-condensing Yes

APPLICATIONS

Network Security Appliances	Firewall / VPN Multi-purpose Gateway / Router High Availability / Redundancy Load Balancing
Servers	Link Aggregation High Availability / Redundancy Backup Networks Storage / Web / DNS
iSCSI	Initiator / Target
Virtualization	Multiple Dedicated VM Ports Maximize Network Bandwidth Redundancy / Backup
Video over IP	Surveillance, IPTV
Traffic Generator	Maximize Bandwidth and Connectivity



Ordering Information

Product Name	Part Number	Description
Krakatoa	6FGNIC-e	Six-port PCI-Express SFP gigabit NIC base board without SFP transceivers
Vesuvius	6CGNIC-e	Six-port PCI-Express gigabit NIC with integrated 10/100/1000BASE-T RJ-45 connectors
Kilauea	6FGNIC-X	Six-port PCI-X SFP gigabit NIC base board without SFP transceivers
Mauna Loa	6CGNIC-X	Six-port PCI-X gigabit NIC with integrated 10/100/1000BASE-T RJ-45 connectors