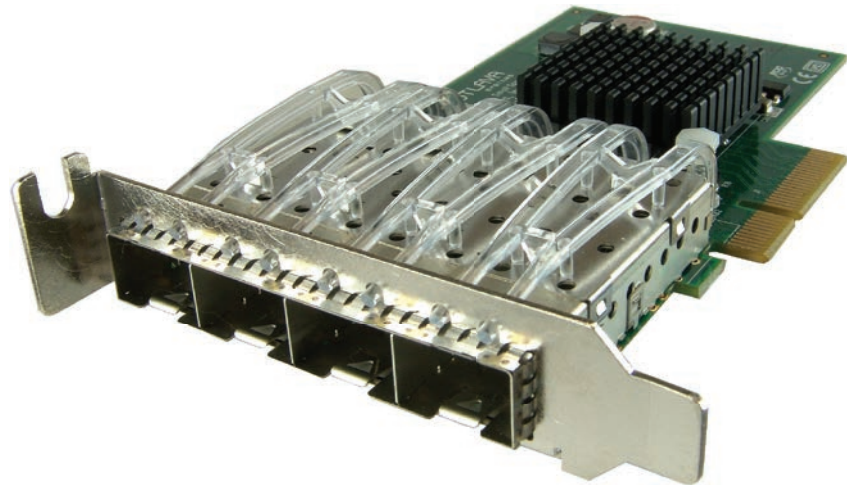


NXSFP-1G4 4-port Gigabit NIC Controller with SFP Ports

Features

- Intel 82580 Gigabit Ethernet Controller and drivers
- Virtual Machine Device queues (VMDq)
 - 8 Tx and 8 Rx queues
 - Support of up to 8 VMs per port
- Intel I/O Acceleration Technology
- Direct Memory Access Engine (DMA)
 - Direct Cache Access (DCA)
 - Low Latency Interrupts
 - MSI-X support
- Receive Side Scaling (for Windows)
- Preboot eXecution Environment (PXE)
 - iSCSI remote boot
- VLAN Support with VLAN tag insertion, stripping and packet filtering for up to 4096 VLAN Tags
 - Intel PROSet Utility Support
 - Advanced Packet Filtering
- 24 exact matched packets (unicast or multicast)
- 4096-bit hash filter for unicast and multicast frames
- Promiscuous (unicast and multicast) transfer support mode
 - Optional filtering of invalid frames

The NXSFP-1G4 4-port gigabit PCIe network controller takes flexibility to new heights! The card uses revolutionary SFP ports that lets end users decide on any mix of fiber and/or copper ports, on the same card, at the same price. Save precious PCIe slots. Perfect for mixed server architectures.



Benefits

- Standard Intel drivers for easy installation without disruption of existing applications
- Wire speed bidirectional GbE performance
- Achieves greater productivity from virtualized servers
- Requires only one half-length PCIe slot
- Available with full and low profile mounting brackets
- Quad-Port design provides bandwidth for:
 - » Network intensive data transfers - High availability (HA)
 - » Back-up and redundancy
- Load balances across multiple CPU cores.

Product Specifications

Slot Type	PCI Express Gen 2 (5GT/s), x4
Media Connector	(4) SFP ports
Connector Type	LC connector
Network Topology	1000Base-T, 1000Base-SX, 1000Base-LX
Form Factor	4.58 in x 2.73 in
Operating Systems	Windows Server 2003, 2008 Windows XP, Vista, 7 OpenVMS NetWare Linux FreeBSD OpenBSD NetBSD VMWare ESX XenServer Microsoft Hyper-V Vyatta 6.3+ MikroTik RouterOS

Features

One Intel 82580 Ethernet Controller	
Dual On-chip Buffers	
- Default transmit 20 KB/port	
- Default receive 32 KB/port	
Switch Fault Tolerance	802.1Q VLAN Tagging
Adaptive Load Balancing	802.3x Flow Control
Interrupt Moderation	802.1p Class of Services
Adapter Fault Tolerance	802.3ad Link Aggregation
Receive Side Scaling (for Windows)	TCP and UDP Checksum Offload
IPv6 offloading	TCP Segmentation Offload
Direct Cache Access (DCA)	Virtual Machine Device queues (VMDq)
I/O Acceleration Technology	VLAN support with VLAN tag insertion, stripping and packet filtering for up to 4096 VLAN tags 9.5 KByte Jumbo Frames

Environmental

Operating Temp	0 to 55 °C with 50 LFM airflow	Power Consumption	7W Max
Storage Temp	-40 to 70 °C	RoHS 6 Compliant	Yes
Operating Humidity	5 to 85% non-condensing	Hardware certifications	FCC A, CE, VCCI, EN300-386
Storage Humidity	0 to 85% non-condensing		



This device may be self-installed, installed with Nemonix Engineering phone support, or installed by your service provider with Nemonix Engineering phone support. Nemonix Engineering offers 9-5 installation and warranty support during the 3-year warranty period, via phone.

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