

Dual Port Gigabit PCI Express Server Network Adapter Card - PCIe NIC

StarTech ID: ST1000SPEXD3



The ST1000SPEXD3 PCI Express Dual Port Gigabit Server Network Adapter Card (PCIe NIC) lets you add two gigabit Ethernet ports to a client, server or workstation through a single PCI Express slot. Each port provides 10/100/1000 Mbps capable Ethernet and is fully compatible with IEEE 802.3/u/ab standards.

Suitable for any standard PCI Express-enabled system, the 2-port Ethernet card supports full-duplex flow control for maximum data transfer speeds of up to 2000 Mbps - an ideal single card, dual NIC solution for setting up dual-homed, or multi-homed host configurations providing added security to corporate networks.

The dual port server adapter is compliant with the PCIe 2.0 standard and features support for Jumbo Frames and 802.1q VLAN tagging as well as Wake on LAN (WOL). The adapter includes an optional low profile bracket that can be used for installation into a standard or low profile computer chassis.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Ideal for VM environments with multiple operating systems, requiring shared or dedicated NICs
- Provide redundant connectivity to ensure an uninterrupted network connection
- Configure a dual-homed proxy or gateway system for an added layer of security
- Specially designed for desktop PC clients, servers, and workstations with few PCI Express slots available

Features

- Two 10/100/1000Mbps compatible RJ-45 Ethernet ports
- Jumbo Frame support up to 9k bytes
- Compatible with PCI Express Base Specification 2.0 (backward compatible with 1.0a/1.1)
- Realtek RTL8111 Rev. E chipset provides improved compatibility with Intel® Series 6 chips
- Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, and supports IEEE 802.1Q VLAN tagging, IEEE 802.1P Layer 2 Priority Encoding and IEEE 802.3x Full Duplex Flow Control
- Supports Microsoft NDIS5 Checksum Offload (IP, TCP, UDP) and Large send Offload
- Wake-on-LAN / Remote Wake-up support
- Configured with standard profile bracket, low profile/half-height bracket included
- Supports Pair Swap / Polarity / Skew Correction
- Metal RJ45 connectors

Technical Specifications

Warranty	2 Years
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Realtek RTL8111E & PLX PEX8608
Industry Standards	PCI Express Base Specification 2.0
Interface	RJ45 (Gigabit Ethernet)
Port Style	Integrated on Card
Ports	2
Bus Type	PCI Express
Industry Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Connector Type(s)	1 - PCI Express x1 Male
External Ports	2 - RJ-45 Female
Supported Protocols	IEEE 802.1Q VLAN tagging, IEEE 802.1P Layer 2 Priority Encoding and IEEE 802.3x Full Duplex Flow Control
Maximum Data Transfer Rate	2000 Mbps (full-duplex), 1000 Mbps (half-duplex)
Buffer Size	48 KB
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
OS Compatibility	Windows® 8 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64), 2000 Windows® Server 2008 R2, 2003(32/64) Mac OS 10.4 - 10.8 Linux
Product Height	3.5 in [88 mm]
Product Length	2.5 in [64 mm]
Product Weight	5.3 oz [150 g]
Product Width	0.7 in [18 mm]
LED Indicators	2 - Green - Link/Activity
LED Indicators	2 - Yellow - Gigabit Mode
Operating Temperature	0°C to 55°C (32°F to 131°F)
Storage Temperature	-20°C to 85°C (-4°F to 185°F)
Humidity	5~95% RH
System and Cable Requirements	Available PCI Express slot
Shipping (Package) Weight	7.1 oz [200 g]

Included in Package	1 - PCIe Network Card
Included in Package	1 - Low Profile Bracket
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

