

# 4 Port PCI Express Gigabit Ethernet NIC Network Adapter Card

Product ID: ST1000SPEX42



The ST1000SPEX42 4-port Ethernet Card is an IEEE 802.3/u/ab standards compliant PCIe network adapter, which adds connections to up to four separate high-speed Gigabit networks from a single desktop client, server or workstation.

Suitable for any PCI Express (x4) enabled computer, this Gigabit Ethernet Network Adapter Card offers a practical, cost-effective resource for business, corporate or government environments, with support for high performance 4-channel networking and maximum throughput up to 1000Mbps in each direction (2000 Mbps total) - up to ten times faster than 10/100 Ethernet.

Compatible with a broad range of operating systems, this versatile PCIe Gigabit NIC is suitable for many SMB and Enterprise applications such as virtualized environments that require multiple NICs (check your VM software for chipset compatibility).

The ST1000SPEX42 is backed by a StarTech.com 2-year hardware warranty and free lifetime technical support.

### Certifications, Reports and Compatibility



### Applications

- Specially designed for desktop PC clients, servers, and workstations with few PCI Express slots available
- Ideal for VM environments with multiple operating systems, requiring shared or dedicated NICs
- Provide redundant connectivity to ensure an uninterrupted network connection

### Features

- Four independent 10/100/1000 RJ45 Ethernet ports
- Jumbo Frame support up to 9k
- Fully Compliant with IEEE 802.3 IEEE 802.3u and IEEE 802.3ab
- Support for IEEE 802.1Q VLAN tagging and IEEE 802.1P Layer 2 Priority Encoding
- Crossover Detection & Auto-Correction (Auto MDIX)
- Microsoft NDIS5 Checksum Offload (IP, TCP, UDP) and Large send Offload Support
- On-chip 48KB Transmit/Receive Buffer
- Wake-on-LAN and Remote Wake-up Support
- Supports Full Duplex Flow Control (IEEE 802.3x)
- Supports Pair Swap/Polarity/Skew Correction
- PCI Express base specification 1.1 compliant
- Supports PCI Message Signaled Interrupt (MSI)
- Auto-sensing, self-configuring 10/100/1000 Mbps performance

<b>Hardware</b>	Warranty	2 Years
	Bus Type	PCI Express
	Card Type	Standard Profile
	Chipset ID	Realtek - RTL8111E PLX - PEX8608
	Industry Standards	Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
	Interface	RJ45 (Gigabit Ethernet)
	Ports	4
<b>Performance</b>	Auto MDIX	Yes
	Buffer Size	48 KB
	Compatible Networks	10/100/1000 Mbps
	Full Duplex Support	Yes
	Maximum Data Transfer Rate	1000Mbps
<b>Connector(s)</b>	Connector Type(s)	1 - PCI Express x4 Male
	External Ports	4 - RJ-45 Female
<b>Software</b>	OS Compatibility	Windows® 10 (32/64), 8 / 8.1 (32/64), 7 (32/64), Vista (32/64), XP (32/64), 2000 Windows Server® 2012, 2008 R2, 2003 Mac OS® 10.4 and up (Tested up to 10.10) Linux 2.4.x and later (Tested up to 3.5)
<b>Special Notes / Requirements</b>	System and Cable Requirements	Available PCI Express x4 slot
<b>Indicators</b>	LED Indicators	4 - Green - Link LED
		4 - Yellow - Activity LED
<b>Power</b>	Power Consumption (In Watts)	PCIe: +3.3V @ 1A maximum
<b>Environmental</b>	Humidity	5~95% RH
	Operating Temperature	0°C to 55°C (32°F to 131°F)
	Storage Temperature	-20°C to 85°C (-4°F to 185°F)
<b>Physical Characteristics</b>	Product Height	0.6 in [1.6 cm]
	Product Length	5 in [12.8 cm]
	Product Width	4 in [10.2 cm]
	Weight of Product	3.5 oz [100 g]
<b>Packaging Information</b>	Package Height	1.5 in [38 mm]

	Package Length	5.6 in [14.3 cm]
	Package Quantity	1
	Package Width	8.3 in [21 cm]
	Shipping (Package) Weight	7.5 oz [212 g]
<b>What's in the Box</b>	Included in Package	1 - 4 Port PCI Express Network Card 1 - Driver CD 1 - Instruction Manual

Product appearance and specifications are subject to change without notice.