

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
- 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

Hardware

Warranty	2 Years
Ports	4
Interface	RJ45 (Gigabit Ethernet)
Bus Type	PCI Express
Card Type	Standard Profile
Industry Standards	Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Chipset ID	Realtek - RTL8111E PLX - PEX8608

Performance

Maximum Data Transfer Rate	1000Mbps
Buffer Size	48 KB
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes

Connector(s)

Connector Type(s)	PCI Express x4
External Ports	RJ-45

Software

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)
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Special Notes / Requirements

System and Cable Requirements	Available PCI Express x4 slot
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Indicators

LED Indicators	Green - Link LED
	Yellow - Activity LED

Power

Power Consumption (In Watts)	PCIe: +3.3V @ 1A maximum
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Environmental

Operating Temperature	0C to 55C (32F to 131F)
Storage Temperature	-20C to 85C (-4F to 185F)
Humidity	5~95% RH

Physical Characteristics

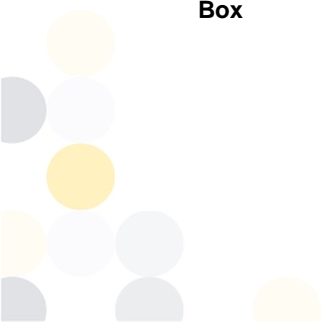
Product Length	5.0 in [12.8 cm]
Product Width	4.0 in [10.2 cm]
Product Height	0.6 in [16.0 mm]
Weight of Product	3.5 oz [100.0 g]

Packaging Information

Package Quantity	1
Package Length	5.6 in [14.3 cm]
Package Width	8.3 in [21.0 cm]
Package Height	1.5 in [38.0 mm]
Shipping (Package) Weight	7.5 oz [212.0 g]

What's in the Box

Included in Package	4 Port PCI Express Network Card
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Driver CD

Instruction Manual

****Product appearance and specifications are subject to change without notice.***

