

4 Port PCI Express Gigabit Ethernet NIC Network Adapter Card

StarTech 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.

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

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

Technical Specifications

| | |
|-------------------------------|---|
| 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 |
| Connector Type(s) | 1 - PCI Express x4 Male |
| External Ports | 4 - RJ-45 Female |
| Auto MDIX | Yes |
| Buffer Size | 48 KB |
| Compatible Networks | 10/100/1000 Mbps |
| Full Duplex Support | Yes |
| Maximum Data Transfer Rate | 1000Mbps |
| OS Compatibility | Windows 2000/XP (32/64-bit)/ Vista (32/64-bit)/ Server 2003 (32/64-bit)/ Server 2008 R2/ 7 (32/64-bit)/ 8 (32/64-bit) Mac OS X (Up to 10.8) Linux |
| Product Height | 0.6 in [16 mm] |
| Product Length | 5 in [128 mm] |
| Product Weight | 3.5 oz [100 g] |
| Product Width | 4 in [102 mm] |
| LED Indicators | 4 - Green - Link LED |
| LED Indicators | 4 - Yellow - Activity LED |
| 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) |
| System and Cable Requirements | Available PCI Express x4 slot |
| Package Quantity | 1 |
| Shipping (Package) Weight | 7.5 oz [212 g] |
| Included in Package | 1 - 4 Port PCI Express Network Card |
| Included in Package | 1 - Driver CD |

Included in Package 1 - Instruction Manual

Certifications, Reports and Compatibility

