

Dual Port PCI Express (PCIe x4) Gigabit Ethernet Server Adapter Network Card - Intel® i350 NIC

StarTech ID: ST2000SPEXI



The ST2000SPEXI PCI Express Dual Port Gigabit Network Card lets you add two gigabit Ethernet ports to a desktop computer through a single, four-lane (x4 or higher) PCI Express slot. Each port is fully compatible with IEEE 802.3/4/ab standards, for 10/100/1000 Mbps auto-negotiation.

This 2-port GbE network card is based on the high-performance Intel® I350 chipset, which offers several advanced driver options including IEEE 802.3ad link aggregation / teaming support, enabling you to add additional bandwidth to your system. Support for Jumbo Frames, full-duplex operation and 802.1q VLAN tagging also aid in creating an efficient network configuration.

Also useful for virtualization applications (check your VM software for chipset compatibility) or setting up a dual-homed host configuration, this dual-port network card lets you accommodate several complex network scenarios, to meet your business needs. For added versatility, the controller card is equipped with a standard profile bracket and includes a low-profile/half-height bracket for installation in small form-factor computers.

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
- Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE802.3ad (link aggregation) and supports IEEE 802.1Q VLAN tagging
- Jumbo Frame support up to 9k bytes
- Teaming Support
- Supports Checksum Offload (IP, TCP, UDP), Transmit Segmentation Offload (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 Intel® Virtualization Technology (VT-c, VMDq, SR-IOV)
- Four-lane (x4) PCI Express compatible with x4, x8 and x16 PCIe slots
- Compatible with PCI Express Base Specification 2.1 (backward compatible with 1.0a/1.1)

Technical Specifications

| | |
|-------------------------------|--|
| Warranty | 2 Years |
| Ports | 2 |
| Interface | RJ45 (Gigabit Ethernet) |
| Bus Type | PCI Express |
| Card Type | Standard Profile (LP bracket incl.) |
| Port Style | Integrated on Card |
| Industry Standards | IEEE 802.3, IEEE 802.3u, IEEE 802.3ab |
| Industry Standards | PCI Express Base Specification 2.1 |
| Chipset ID | Intel - I350-AM2 |
| Connector Type(s) | 1 - PCI Express x4 Male |
| External Ports | 2 - RJ-45 Female |
| Maximum Data Transfer Rate | 2000 Mbps (full-duplex), 1000 Mbps (half-duplex) |
| Compatible Networks | 10/100/1000 Mbps |
| Auto MDIX | Yes |
| Full Duplex Support | Yes |
| Jumbo Frame Support | 9K max. |
| Supported Protocols | IEEE 802.3ad (link aggregation), IEEE 1588 (time sync) / 802.1AS, IEEE 802.1q (VLAN tagging) |
| OS Compatibility | Windows® 8 / 8.1 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64) Windows Server® 2012, 2008 R2, 2003(32/64) Linux 2.4.x/ 2.6.x / 3.x (Tested up to 3.5) |
| System and Cable Requirements | Available PCI Express x4 or higher (x8, x16) slot |
| Product Length | 2.6 in [67 mm] |
| Product Width | 0.7 in [19 mm] |
| Product Height | 4.8 in [121 mm] |
| Product Weight | 2.8 oz [80 g] |
| LED Indicators | 2 - 10/100/1000 Mbps Indicator |
| LED Indicators | 2 - Link / Activity |
| Operating Temperature | 0°C to 50°C (32°F to 122°F) |
| Storage Temperature | -20°C to 60°C (-4°F to 140°F) |
| Humidity | 5~85% RH |
| Shipping (Package) Weight | 5.9 oz [166 g] |

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|---------------------|-------------------------|
| Included in Package | 1 - 2 Port 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

