

1-Port Gigabit Ethernet Network Card - PCI Express, Intel I210 NIC

StarTech ID: ST1000SPEXI



Boost the performance and capabilities of your server or desktop computer by adding a Gigabit Ethernet port through a PCI Express slot, to help deliver a high-performance and cost-effective network solution.

The performance and reliability you demand in network connectivity

This Gigabit Ethernet network card utilizes the Intel® I210-AT chipset, designed to deliver the power, performance and enhanced capabilities you need for dependable network connections to your server or computer. Compliant with IEEE 802.3/u/ab standards, the network card provides an effective upgrade or replacement network port with maximum throughput up to 1000Mbps in each direction (2000 Mbps total) - up to ten times faster than 10/100 Ethernet.

The I210 chipset provides many advanced features to support load-balancing the flow of network traffic, to enhance throughput and provide greater data reliability. It also supports Audio-Video Bridging (AVB) to enable tightly controlled media stream synchronization, buffering and resource reservation.

A versatile and cost-effective solution

Compatible with a broad range of operating systems, this versatile PCIe Gigabit NIC is ideal for many business applications requiring upgrades to servers or workstations, adding feature-rich Gigabit networking. It's a cost-effective way to upgrade your server or computer from a 10/100 Ethernet port to a Gigabit Ethernet port, or add an Ethernet port to take advantage of advanced features such as VLAN tagging, Jumbo Frames, Wake-On LAN and Auto MDIX.

Easy installation

With a dual-profile design, the PCI Express network card installs easily into a wide range of computer/server chassis, regardless of form factor. The card comes equipped with a full-sized bracket, and includes a low profile/half-height installation bracket that you can use as needed. The ST1000SPEXI is backed by a

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

Applications

- Upgrades to servers or workstations in need of enhanced performance, advanced features and greater reliability
- Upgrade a 10/100 Ethernet port on your computer to a 1000Mbps compatible port
- Add networking capabilities to an old system with no Ethernet port
- Add an additional Ethernet port to a workstation or server computer for redundancy

Features

- Add a 10/100/1000 RJ-45 Ethernet port to a client, server or desktop through one PCIe slot
- Intel I210-AT chipset
- PXE network boot
- Fully compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
- Auto MDIX support
- Auto negotiation support
- Wake-on-LAN support
- Up to 9K jumbo frame support
- IEEE802.3az Energy Efficient Ethernet (EEE)
- Supports IEEE 802.1Q VLAN tagging
- Supports Audio-Video Bridging
- Full or low-profile (LP bracket included) installation
- Full duplex support

Technical Specifications

Warranty	2 Years
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Intel I210-AT
Industry Standards	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T
Industry Standards	IEEE 802.1Q VLAN Tagging
Industry Standards	IEEE 802.3x Full Duplex Flow Control
Ports	1
Auto MDIX	Yes
Compatible Networks	10/100/1000 Mbps
Full Duplex Support	Yes
Jumbo Frame Support	9K max.
Maximum Data Transfer Rate	2000 Mbps (full-duplex)
Connector Type(s)	1 - PCI Express x4 Male
Connector Type(s)	1 - RJ-45 Female
OS Compatibility	Windows® 8 / 8.1 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64), 2000 Windows Server® 2012, 2008 R2, 2003(32/64) Linux 2.4.x and later (Tested up to 3.5)
System and Cable Requirements	Available PCI Express expansion card slot
Color	Black
Product Height	0.7 in [18 mm]
Product Length	4.7 in [120 mm]
Product Weight	1.2 oz [35 g]
Product Width	2.6 in [66 mm]
LED Indicators	1 - 100/1000 Mbps Indicator
LED Indicators	1 - Link/Activity
Power Consumption	Max 0.8W
Humidity	20% ~ 80% RH
Operating Temperature	5°C to 50°C (41°F to 122°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Shipping (Package) Weight	3.7 oz [104 g]
Included in Package	1 - 1 Port Network Card

Included in Package	1 - Low Profile Bracket
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

