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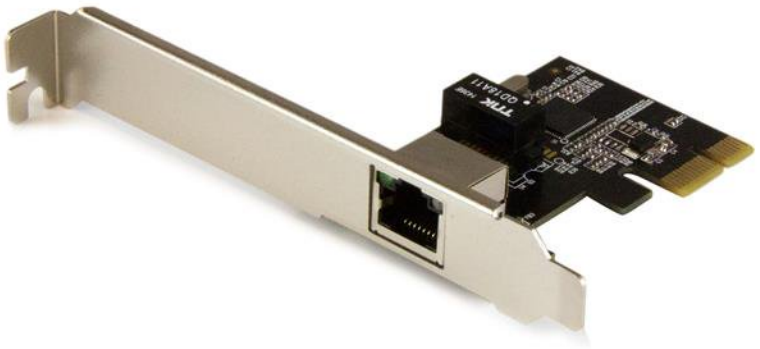
Data Sheet

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

Product ID: ST1000SPEXI



Boost the performance and capabilities of your server or desktop computer by adding a Gigabit Ethernet port through a PCI Express slot. This GbE (Gigabit Ethernet) network card makes it easy to create a high-performance, cost-effective networking solution.

The performance and reliability you demand in network connectivity

This PCI Express Gigabit Ethernet card utilizes the Intel® I210-AT chipset, delivering 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 GbE network card provides an effective upgrade or replacement network port, with a maximum throughput of 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 servers or workstation upgrades. 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.

Certifications, Reports and Compatibility











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 GbE network capability
- Add GbE networking capabilities to an old system that doesn't have an 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
- Autonegotiation 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

	Warranty	2 Years
Hardware	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
		IEEE 802.1Q VLAN Tagging
		IEEE 802.3x Full Duplex Flow Control
	Ports	1
Performance	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)
	Promiscuous Mode	Yes
	Supported Protocols	IEEE 802.3ad (link aggregation), IEEE 1588 (time sync)
Connector(s)	Connector Type(s)	1 - PCI Express x1 Male
		1 - RJ-45 Female
Software	OS Compatibility	Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012 R2, 2016 Linux 2.4.x to 4.11.x *LTS versions only*
Special Notes / Requirements	System and Cable Requirements	Available PCI Express expansion card slot
Indicators	LED Indicators	1 - 100/1000 Mbps Indicator
		1 - Link/Activity
Power	Power Consumption (In Watts)	Max 0.8W
Environmental	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)
Physical Characteristics	Color	Black
	Product Height	0.7 in [18 mm]
	Product Length	4.7 in [120 mm]

	Product Weight	1.3 oz [38 g]
	Product Width	2.6 in [66 mm]
Packaging Information	Shipping (Package) Weight	3.5 oz [100 g]
What's in the Box	Included in Package	1 - 1 Port Network Card 1 - Low Profile Bracket 1 - Instruction Manual

Product appearance and specifications are subject to change without notice.