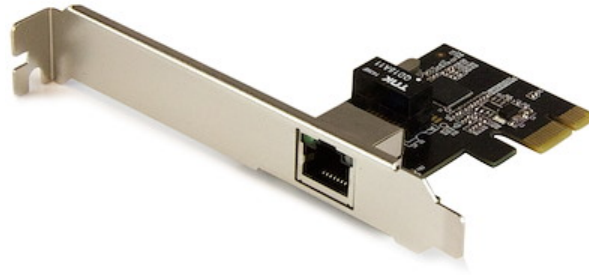


1-Port Gigabit Ethernet Network Card - PCI Express, Intel I210 NIC

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.

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 802.3/4/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.

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.

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.

Developed to improve performance and security, StarTech.com Connectivity Tools is the only software suite on the market that works with a wide range of IT connectivity accessories. The software suite includes:

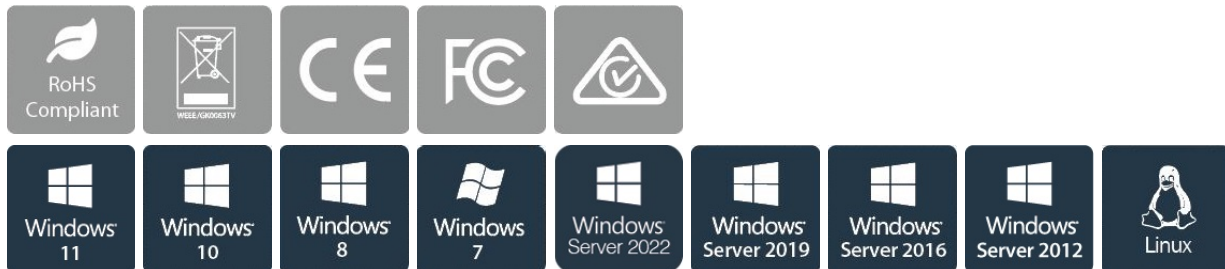
Mac Address Pass-Through Utility: To improve network security.

Wi-Fi Auto Switch Utility: Enabling users to quickly access faster network speeds via wired LAN.

For more information and to download the StarTech.com Connectivity Tools application, please visit:
www.StarTech.com/Connectivity-Tools

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
- CONNECTIVITY TOOLS: Provided with this device, the application improves performance and security, featuring MAC Address Changer & Wi-Fi Auto Switch utilities

Hardware

Warranty	2 Years
Ports	1
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
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
Chipset ID	Intel - I210-AT

Performance

Wake On Lan	Yes
Maximum Data Transfer Rate	2000 Mbps (full-duplex)
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
Jumbo Frame Support	9K max.
Promiscuous Mode	Yes
Supported Protocols	IEEE 802.3ad (link aggregation), IEEE 1588 (time sync)

Connector(s)

Connector Type(s)	1 - PCI Express x1
	1 - RJ-45

Software

OS Compatibility	Windows 7, 8, 8.1, 10, 11
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Windows Server 2008 R2, 2012 R2, 2016, 2019, 2022

Linux 2.4.x and up - LTS Versions only

Special Notes / Requirements

System and Cable Requirements	Available PCI Express expansion card slot
Note	- Intel NIC Teaming is supported only on Windows Server OS (e.g., Server 2012, 2016) and not on desktop versions like Windows 10 or 11.

Indicators

LED Indicators	1 - 100/1000 Mbps Indicator
	1 - Link/Activity

Power

Input Voltage	12V DC
Output Voltage	12V DC
Power Consumption (In Watts)	Max 0.8W

Environmental

Operating Temperature	5C to 50C (41F to 122F)
Storage Temperature	-20C to 60C (-4F to 140F)
Humidity	20% ~ 80% RH

Physical Characteristics

Color	Black
Material	Steel
Product Length	4.7 in [12.0 cm]
Product Width	2.6 in [6.6 cm]
Product Height	0.7 in [1.8 cm]
Weight of Product	1.3 oz [38.0 g]

Packaging

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