

## 1 Port PCI Express Gigabit Ethernet NIC Network Adapter Card

StarTech ID: ST1000SPEX



This PCI Express based Gigabit Ethernet Network Adapter Card offers a versatile solution that allows servers and desktop PCs to connect to a Gigabit network through a PCIe slot, providing full Gigabit bandwidth capacity with the dedicated bandwidth of the connected PCI Express bus to provide dependable connectivity.

Fully compliant with the 10/100/1000 Mbps IEEE 802.3 specification, this PCIe Gigabit NIC provides a maximum transfer speed of 1000Mbps (bidirectional - 2000Mbps total) - ensuring a high performance network connection. This adapter also offers 10/100/1000Mbps data rate auto-negotiation and full duplex operation that helps to optimize connection speeds and provide efficient performance.

The network adapter is compatible with Linux, Windows® 2000, XP, XP-64bit, Server 2003, Server 2003-64-bit, Vista, Vista-64, 7, 7-64bit operating systems and includes full-height and low profile screw-on brackets for installation in standard, small/micro form factor computer cases as well as 1U and 2U servers.

### Applications

- Add an additional Ethernet port to a workstation or server computer for redundancy or bridging
- Upgrade a computers 10/100 Ethernet port to a 1000 compatible port
- Add networking capabilities to an old system with no Ethernet port

## Features

- A single 10/100/1000Mbps compatible RJ45 Ethernet port
- Network Link/Activity and 10/100/1000 Mbps LED indicators
- Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3x, and IEEE 802.3ab
- Jumbo frame support
- Full and half duplex support
- Supports Wake-on-LAN function
- Crossover Detection & Auto-Correction (Auto MDI/MDI-X)
- Includes a low profile installation bracket

## Technical Specifications

Warranty	2 Years
Ports	1
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Realtek - RTL8111DL
Connector Type(s)	1 - PCI Express x1 Male
External Ports	1 - RJ-45 Female
Maximum Data Transfer Rate	1000 Mbps
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
Supported Protocols	CSMA/CD
OS Compatibility	Windows 2000/ XP(32/64-bit)/ Server 2003(32/64-bit)/ Vista(32/64-bit)/ 7(32/64-bit)/ Server 2008 R2, Mac OS 10.4/ 10.5/ 10.6/ 10.7 (Intel based), and Linux
Product Length	4.7 in [120 mm]
Product Width	0.8 in [21 mm]
Product Height	3.6 in [92.5 mm]
Product Weight	1.4 oz [40 g]
LED Indicators	2 - 100 Link/Active LED (Green) Gigabit Link/Active LED (Green)
Operating Temperature	0 degrees Celcius to 50 degrees Celcius
Storage Temperature	20 degrees Celcius to 70 degrees Celcius
Shipping (Package) Weight	0.3 lb [0.1 kg]
Included in Package	1 - Gigabit Ethernet PCI Express Card
Included in Package	1 - Low Profile Bracket
Included in Package	1 - Driver CD

Included in Package      1 - Instruction Manual

Certifications, Reports and Compatibility

