

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

StarTech ID: ST1000SPEX4



This quad port PCIe 10/100/1000 Mbps Gigabit Ethernet Network Adapter Card provides four Gigabit Ethernet ports and is fully compatible with IEEE 802.3/u/ab standards.

Suitable for any PCI Express x4 enabled client, server or workstation, the Gigabit Ethernet Network Adapter Card supports high performance four channel networking and maximum data transfer speeds up to 1000Mbps in each direction (2000 Mbps total) - up to ten times faster than 10/100 Ethernet.

Compatible with a broad range of operating systems, including Windows 2000, XP, Vista, 7, Server 2003, Server 2008 R2, WinCE (4.2/ 5.0) and Linux (Redhat Enterprise, SCO, FreeBSD, etc...), this high quality PCIe Gigabit NIC is suitable for many SMB and Enterprise applications and is backed by a StarTech.com 2-year hardware warranty and free lifetime technical support.

### Applications

- Specially designed for any slot-constrained desktop PC clients, servers, and workstations with a PCI Express slot.
- Idea for VM environments with multiple Operating requiring shared or dedicated NICs
- Provide redundant connectivity to ensure an uninterrupted network connection

## Features

- Four independent 10/100/1000 RJ45 Ethernet ports
- Jumbo Frame support
- Fully Compliant with IEEE 802.3 IEEE 802.3u and IEEE 802.3ab
- Support for IEEE 802.1Q VLAN tagging and IEEE 802.1P Layer 2 Priority Encoding
- Crossover Detection & Auto-Correction (Auto MDIX)
- Microsoft NDIS5 Checksum Offload (IP, TCP, UDP) and Large send Offload Support
- On-chip 48KB Transmit/Receive Buffer
- Wake-on-LAN and Remote Wake-up Support
- Supports Full Duplex Flow Control (IEEE 802.3x)
- Supports Pair Swap/Polarity/Skew Correction
- PCI Express base specification 1.1 compliant
- Supports PCI Message Signaled Interrupt (MSI)
- Auto-sensing, self-configuring 10/100/1000 Mbps performance

## Technical Specifications

Warranty	2 Years
Ports	4
Bus Type	PCI Express
Card Type	Standard Profile
Industry Standards	Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Chipset ID	Realtek - RTL8111C
Connector Type(s)	1 - PCI Express x4 Male
External Ports	4 - RJ-45 Female
Maximum Data Transfer Rate	1000Mbps
Buffer Size	48 KB
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
OS Compatibility	Windows 2000/ XP(32/64-bit)/ Vista(32/64-bit)/ Server 2003(32/64-bit)/ 7(32/64-bit)/ Server 2008 R2, Win CE 4.2/5.0, Unix, Linux, Novell, and Mac OS 10.4/ 10.5/ 10.6/ 10.7 (Intel based)
Product Length	5.5 in [140 mm]
Product Width	4 in [102 mm]
Product Height	0.7 in [18 mm]
Product Weight	8.8 oz [250 g]
LED Indicators	4 - Green - Link LED
LED Indicators	4 - Yellow - Activity LED
Operating Temperature	05/13/2012eg;C to 555/13/2012eg;C (325/13/2012eg;F to 1315/13/2012eg;F)
Storage Temperature	-205/13/2012eg;C to 855/13/2012eg;C (-45/13/2012eg;F to 1855/13/2012eg;F)
Humidity	5~95% RH
Shipping (Package) Weight	0.5 lb [0.2 kg]
Included in Package	1 - 4 Port PCI Express Network Card

Included in Package 1 - Driver CD

Included in Package 1 - Instruction Manual

**Certifications, Reports and Compatibility**

