1 Port PCI Express PCIe Gigabit NIC Server Adapter Network Card - Low Profile

**Product ID:** ST1000SPEX2L

The ST1000SPEX2L Low-Profile PCIe Gigabit Network Card adds a 10/100/1000 Mbps compatible RJ45 Ethernet port to a PCI Express-enabled client, server or workstation, providing a convenient addition or replacement networking interface.

Compliant with IEEE 802.3/u/ab standards, and with support for 9K Jumbo Frames, VLAN tagging and Wake on LAN (WOL), this versatile Gigabit NIC/Server Adapter offers effective network performance.

The card comes pre-configured with a low-profile/half-height installation bracket and includes a standard profile bracket for installation in a wide range of computer/server chassis, regardless of form factor.

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

## Certifications, Reports and Compatibility

## Applications

• Upgrade from 10/100 Ethernet capability to Gigabit capability

• Add an Ethernet port to a workstation or server computer, for redundancy or bridging

• Add networking capabilities to an old system with no Ethernet port

## Features

• A single 10/100/1000Mbps compatible RJ45 Ethernet port

• Gigabit detection and Link/Activity LED indicators

• Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3x and IEEE 802.3ab standards

• Supports IEEE 802.1Q VLAN tagging, IEEE 802.1P Layer 2 Priority Encoding and IEEE 802.3x Full Duplex Flow Control

• Jumbo frame support

• Full and half duplex support

• Supports Wake-on-LAN function

• Crossover Detection & Auto-Correction (Auto MDI/MDI-X)

## Hardware

| | |
|---|---|
| Warranty | 2 Years |
| Ports | 1 |
| Interface | RJ45 (Gigabit Ethernet) |
| Bus Type | PCI Express |
| Card Type | Low Profile (SP bracket incl.) |
| Industry Standards | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab |
| Chipset ID | Realtek - RTL8111 |

## Performance

| | |
|---|---|
| Maximum Data Transfer Rate | 1000 Mbps |
| Compatible Networks | 10/100/1000 Mbps |
| Auto MDIX | Yes |
| Full Duplex Support | Yes |
| Jumbo Frame Support | 9K max. |
| Supported Protocols | CSMA/CD |

## Connector(s)

| | |
|---|---|
| Connector Type(s) | PCI Express x1 |
| External Ports | RJ-45 |

## Software

| OS Compatibility | Windows 2000, XP, Vista, 7, 8, 8.1, 10 |
| | Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019 |
| | Mac OS X 10.6 to 10.9, Linux 2.4.x to 4.11.x <i>LTS Versions Only</i> |

**Special Notes / Requirements**

| System and Cable Requirements | Available PCI Express expansion card slot |

**Indicators**

| LED Indicators | Gigabit Detect (Yellow) |
| | Link/Activity (Green) |

**Environmental**

| Operating Temperature | 0C to 70C (32F to 158F) |
| Storage Temperature | 0C to 100C (32F to 212F) |
| Humidity | 10% ~ 90% RH |

**Physical Characteristics**

| Material | Steel |
| Product Length | 2.8 in [70 mm] |
| Product Width | 0.7 in [18 mm] |
| Product Height | 1.9 in [49 mm] |
| Weight of Product | 1.0 oz [27 g] |

**Packaging Information**

| Package Length | 5.7 in [14.4 cm] |
| Package Width | 6.8 in [17.3 cm] |
| Package Height | 1.2 in [31 mm] |
| Shipping (Package) Weight | 4.4 oz [125 g] |

**What's in the Box**

| Included in Package | Gigabit Ethernet PCI Express Card |
| --- | --- |
| | Standard Profile Bracket |
| | Instruction Manual |

*Product appearance and specifications are subject to change without notice.*