

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

**Product ID:** ST1000SPEX2



The ST1000SPEX2 PCIe Gigabit Ethernet 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 delivers rock-solid performance.

Plus, the card includes both full profile and low profile/half-height installation brackets for installation in a wide range of computer/server chassis, regardless of form factor.

The ST1000SPEX2 network card is backed by a 2-year StarTech.com warranty and free lifetime technical support.

### **Certifications, Reports and Compatibility**

#### **Applications**

- Add an Ethernet port to a workstation or server computer, for redundancy or bridging
- Upgrade 10/100 Ethernet capability to Gigabit capability
- Add networking capabilities to an old system with no Ethernet port

#### **Features**

- A single 10/100/1000Mbps compatible RJ45 Ethernet port
- Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3x and IEEE 802.3ab standards

- 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/half-height installation bracket
- Gigabit detection and Link/Activity LED indicators
- Supports IEEE 802.1Q VLAN tagging, IEEE 802.1P Layer 2 Priority Encoding and IEEE 802.3x Full Duplex Flow Control

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#### Hardware

|                    |  |
|--------------------|--|
| Warranty           | 2 Years  |
| Ports              | 1  |
| Interface          | RJ45 (Gigabit Ethernet)                            |
| Bus Type           | PCI Express  |
| Card Type          | Standard Profile (LP bracket incl.)                |
| Industry Standards | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab |
| Chipset ID         | Realtek - RTL8111H                                 |

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#### 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.          |
| Promiscuous Mode           | Yes              |
| MTBF                       | 376,212 Hours    |
| Supported Protocols        | CSMA/CD          |

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### Connector(s)

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

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### Software

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

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

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### Indicators

|                |  |
|----------------|--|
| LED Indicators | Gigabit Detect (Yellow)<br>Link/Activity (Green) |
|----------------|--|

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### Environmental

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

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### Physical Characteristics

|                   |                  |
|-------------------|------------------|
| Material          | Steel            |
| Product Length    | 2.7 in [67.9 mm] |
| Product Width     | 4.7 in [12.0 cm] |
| Product Height    | 0.7 in [18 mm]   |
| Weight of Product | 1.3 oz [38 g]    |

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### Packaging Information

|                |                  |
|----------------|------------------|
| Package Length | 6.7 in [17.1 cm] |
| Package Width  | 5.6 in [14.2 cm] |
| Package Height | 1.3 in [32 mm]   |



|                              |                |
|------------------------------|----------------|
| Shipping (Package)<br>Weight | 4.4 oz [126 g] |
|------------------------------|----------------|

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**What's in the  
Box**

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

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

