

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

**Product 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.

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

#### **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

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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.)
Chipset ID	Realtek - RTL8111DL

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#### Performance

Maximum Data Transfer Rate	1000 Mbps
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
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

OS Compatibility	Windows 8 / 8.1 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64), 2000 Windows Server 2012, 2008 R2, 2003(32/64)
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Mac OS 10.4 and up (Intel based - Tested up to 10.9)

Linux

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**Indicators**

LED Indicators	100 Link/Active LED (Green)Gigabit Link/Active LED (Green)
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**Environmental**

Operating Temperature	0 degrees Celcius to 50 degrees Celcius
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Storage Temperature	20 degrees Celcius to 70 degrees Celcius
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**Physical Characteristics**

Product Length	4.7 in [12 cm]
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Product Width	0.8 in [21 mm]
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Product Height	3.6 in [92.5 mm]
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Weight of Product	1.4 oz [40 g]
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**Packaging Information**

Package Length	6.9 in [17.5 cm]
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Package Width	5.5 in [14 cm]
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Package Height	1.2 in [30 mm]
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Shipping (Package) Weight	4.3 oz [122 g]
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**What's in the Box**

Included in Package	Gigabit Ethernet PCI Express Card
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Low Profile Bracket

Driver CD

Instruction Manual

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

