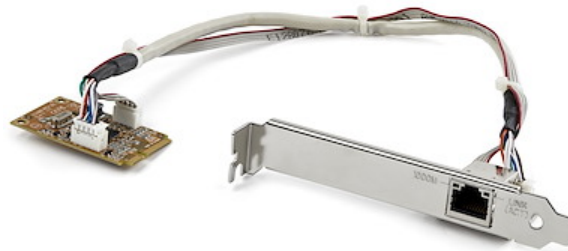


## Mini PCI Express Gigabit Ethernet Network Adapter NIC Card

**Product ID:** ST1000SMPEX



The ST1000SMPEX Mini PCI Express Gigabit Network Adapter Card adds 1000Mbps network connectivity to a Mini PCI Express (PCI Express Mini Card, Mini PCIe) enabled computer system, such as Mini-ITX motherboards.

Supporting features such as NDIS5 checksum and large send offload for lower CPU utilization, Wake-on-LAN (WOL) and Remote Wake-up power management, jumbo frames and VLAN tagging, this Mini PCI Express Gigabit Adapter is ready to handle a wide variety of scenarios.

Perfect for small form factor or embedded systems that originally lack Gigabit networking capability, or for adding a network connection without taking up a full-sized PCI Express slots, this high quality Mini PCIe Network Adapter includes a low profile/half-height bracket for additional installation options.

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

## Certifications, Reports and Compatibility

### Applications

- Add a Gigabit networking port to a small form factor mini-ITX system with a mini PCI Express slot
- Add a Gigabit networking port to a Mini-ITX system through mini PCIe instead of taking up the full PCIe slot
- Replacement for a failed built-in Gigabit Ethernet port

### Features

- One 10/100/1000Mbps compatible RJ-45 Ethernet port

- Fully compliant with IEEE 802.3, 802.3u, and 802.3ab specifications for 10/100/1000 Mbps connections
- Jumbo Frame support up to 9k
- Crossover Detection & Auto-Correction (Auto MDIX)
- IEEE 802.1Q VLAN Tagging support
- Supports Wake-on-LAN (WOL) and Remote Wake-up Support, Pair Swap/Polarity/Skew Correction
- Microsoft NDIS5 Checksum Offload (IPv4, TCP, UDP) and Large Send Offload support
- Supports Full and Half duplex operating modes
- IEEE 802.3x Full Duplex Flow Control support
- Compliant with PCI Express Mini Card specification 1.1
- Includes Full and Low Profile installation brackets

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#### Hardware

Warranty	2 Years
Ports	1
Interface	RJ45 (Gigabit Ethernet)
Bus Type	Mini PCI Express
Card Type	Embedded
Industry Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Chipset ID	Realtek - RTL8111E

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#### Performance

Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
Promiscuous Mode	Yes
MTBF	482765 Hours

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#### Connector(s)

Connector Type(s)	Mini PCI Express x1 (52 pin)
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External Ports RJ-45

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**Software**

OS Compatibility Windows 2000, XP, Vista, 7, 8, 8.1, 10  
Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019  
Mac OS 10.4.x and 10.5.x  
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 mini PCI Express slot and expansion card slot

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**Indicators**

LED Indicators Activity  
Link

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**Environmental**

Operating Temperature 0C to 55C (32F to 131F)  
Storage Temperature -20C to 85C (-4F to 185F)  
Humidity 5% ~ 95% RH

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**Physical Characteristics**

Material Steel  
Product Length 2.0 in [51 mm]  
Product Width 1.2 in [30 mm]  
Product Height 0.3 in [8 mm]  
Weight of Product 0.2 oz [6 g]

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**Packaging Information**

Package Quantity 1  
Package Length 6.9 in [17.5 cm]  
Package Width 5.7 in [14.4 cm]  
Package Height 1.3 in [32 mm]



Shipping (Package) Weight	5.3 oz [150 g]
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**What's in the  
Box**

Included in Package	Mini PCIe Card
	RJ45 Daughter Board
	Low Profile Bracket
	Internal LED Cable
	Internal Data Cable
	Driver CD
	Instruction Manual

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

