

## Mini PCI Express Gigabit Ethernet Network Adapter NIC Card

StarTech 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.

### 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

**Technical Specifications**

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
Connector Type(s)	1 - Mini PCI Express x1 (52 pin) Male
External Ports	1 - RJ-45 Female
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
MTBF	482765 Hours
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) Mac OS® 10.4.x and 10.5.x Unix and Linux
System and Cable Requirements	Available mini PCI Express slot and expansion card slot
Product Length	2 in [51 mm]
Product Width	1.2 in [30 mm]
Product Height	0.3 in [8 mm]
Product Weight	0.2 oz [6 g]
LED Indicators	1 - Activity
LED Indicators	1 - Link
Operating Temperature	0°C to 55°C (32°F to 131°F)
Storage Temperature	-20°C to 85°C (-4°F to 185°F)
Humidity	5% ~ 95% RH
Package Quantity	1
Shipping (Package) Weight	5.3 oz [150 g]
Included in Package	1 - Mini PCIe Card
Included in Package	1 - RJ45 Daughter Board
Included in Package	1 - Low Profile Bracket
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

