

Mini PCI Express Gigabit Ethernet Network Adapter NIC Card - TAA

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

Hardware

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

Performance

Wake On Lan	Yes
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes

Full Duplex Support	Yes
Promiscuous Mode	Yes
MTBF	482765 Hours

Connector(s)

Connector Type(s)	1 - Mini PCI Express x1 (52 pin)
External Ports	1 - RJ-45

Software

OS Compatibility	Windows 2000, XP, Vista, 7, 8, 8.1, 10, 11 Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019 Mac OS 10.4.x and 10.5.x Linux 2.4.x and up - LTS Versions only
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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	1 - Activity 1 - 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

Physical Characteristics

Color	Yellow
Material	Steel
Product Length	2.0 in [5.1 cm]
Product Width	0.3 in [0.8 cm]
Product Height	1.2 in [3.0 cm]

Weight of Product	1.6 oz [46.0 g]
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Packaging Information

Package Quantity	1
Package Length	6.9 in [17.4 cm]
Package Width	5.7 in [14.4 cm]
Package Height	1.3 in [3.3 cm]
Shipping (Package) Weight	4.7 oz [134.0 g]

What's in the Box

Included in Package	1 - Mini PCIe Card
	1 - RJ45 Daughter Board
	1 - Low Profile Bracket
	1 - Internal LED Cable
	1 - Internal Data Cable
	1 - Driver CD
	1 - Instruction Manual

Warranty Information

Warranty	2 Years
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**Product appearance and specifications are subject to change without notice.*