

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
- Microsoft NDIS5 Checksum Offload (IPv4, TCP, UDP) and Large Send Offload support
- Supports Full and Half duplex operating modes
- IEEE 802.1Q VLAN Tagging support
- Fully complaint with IEEE 802.3, 802.3u, and 802.3ab specifications for 10/100/1000 Mbps connections
- Supports Wake-on-LAN (WOL) and Remote Wake-up Support, Pair Swap/Polarity/Skew Correction
- IEEE 802.3x Full Duplex Flow Control support
- Jumbo Frame support up to 9k
- Crossover Detection & Auto-Correction (Auto MDIX)
- 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	Embedded
	Industry Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
	Chipset ID	Realtek - RTL8111E
Performance	Compatible Networks	10/100/1000 Mbps
	Auto MDIX	Yes
	Full Duplex Support	Yes
	Promiscuous Mode	Yes
	MTBF	482765 Hours
Connector(s)	Connector Type(s)	Mini PCI Express x1 (52 pin)
	External Ports	RJ-45
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>
	Special Notes / Requirements	System and Cable Requirements
		Available mini PCI Express slot and expansion card slot
	Indicators	LED Indicators

LED Indicators [Link](#)

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

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]

Packaging Information	Package Quantity	1
	Package Length	6.9 in [1.8 cm]
	Package Width	5.7 in [1.4 cm]
	Package Height	1.3 in [32 mm]
	Shipping (Package) Weight	5.3 oz [150 g]

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

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

