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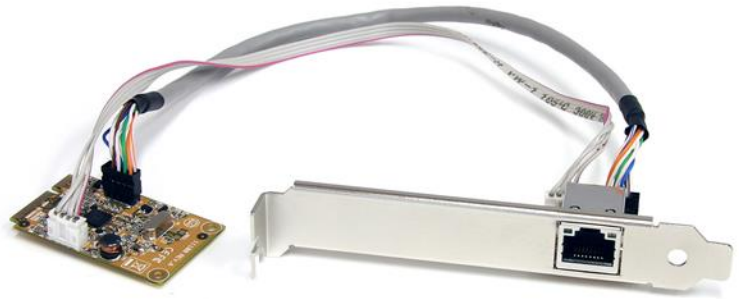
Data Sheet

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

RoHS Compliant Available

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 complaint 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

	Warranty	2 Years
Hardware	Bus Type	Mini PCI Express
	Card Type	Embedded
	Chipset ID	Realtek - RTL8111E
	Industry Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
	Interface	RJ45 (Gigabit Ethernet)
	Ports	1
Performance	Auto MDIX	Yes
	Compatible Networks	10/100/1000 Mbps
	Full Duplex Support	Yes
	MTBF	482765 Hours
	Promiscuous Mode	Yes
Connector(s)	Connector Type(s)	1 - Mini PCI Express x1 (52 pin) Male
	External Ports	1 - RJ-45 Female
Software	OS Compatibility	Windows® 2000, XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2012 R2, 2016 Mac OS® 10.4.x and 10.5.x Linux 2.4.x to 4.11.x *LTS Versions Only*
Special Notes / Requirements	System and Cable Requirements	Available mini PCI Express slot and expansion card slot
Indicators	LED Indicators	1 - Activity
		1 - Link
Environmental	Humidity	5% ~ 95% RH
	Operating Temperature	0°C to 55°C (32°F to 131°F)
	Storage Temperature	-20°C to 85°C (-4°F to 185°F)
Physical Characteristics	Product Height	0.3 in [8 mm]
	Product Length	2 in [51 mm]
	Product Weight	0.2 oz [6 g]
	Product Width	1.2 in [30 mm]
Packaging Information	Package Quantity	1
	Shipping (Package) Weight	5.3 oz [150 g]
What's in the Box	Included in Package	1 - Mini PCIe Card

1 - RJ45 Daughter Board

1 - Low Profile Bracket

1 - Driver CD

1 - Instruction Manual

Product appearance and specifications are subject to change without notice.