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Data Sheet

Dual Port PCI Express Gigabit Ethernet PCIe Network Card Adapter - PoE/PSE

Product ID: ST2000PEXPSE



The ST2000PEXPSE Dual Port PoE NIC provides two 10/100/1000 Mbps PoE RJ45 ports that can provide up to 25.5W of power each, combining a network data connection and power on a single cable, for less clutter and convenient installations in remote locations.

This full/low profile Gigabit server adapter supports the IEEE 802.3at (Type 1 and 2) standard for a Power Sourcing Equipment (PSE) device, and can deliver 48V DC power to compliant Powered Devices (PD). This eliminates the need for a separate power source and cable for remote networked devices such as IP cameras, IP phones and wireless access points.

Suitable for any PCI Express-enabled client, server or workstation, this versatile PoE network adapter supports features such as Jumbo Frames, VLAN tagging and Wake on LAN (WOL).

The ST2000PEXPSE PoE NIC is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS & REACH DOWNLOAD DECLARATION

TAA COMPLIANT

Applications

- Provide power to PoE powered devices, where they have no access to a power source
- Add 2 Ethernet ports to a workstation or server computer from a single PCIe slot
- Connect to 2 separate networks simultaneously
- Install dual networking capabilities into a small form factor or other space-constrained computer system
- Connecting Power over Ethernet-enabled IP cameras, IP phones or Wireless Access Points

Features

- Dual 10/100/1000 Mbps PoE RJ45 ports
- Supports IEEE 802.3at (Type 1, 2) Power over Ethernet standard
- Power Sourcing Equipment (PSE) design, provides data and up to 25.5W of power on each port
- Built-in SATA and LP4 Molex power connector
- Unique surge protection design helps prevent system damage in the event of lightning strikes
- Jumbo Frame support
- On-chip 48 KB Big Transmit/Receive Buffer Support
- Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, and supports IEEE 802.1Q VLAN tagging, IEEE 802.1P Layer 2 Priority Encoding and IEEE 802.3x Full Duplex Flow Control
- Crossover Detection & Auto-Correction (Auto MDIX)
- Includes full and low profile/half-height installation brackets

	Warranty	2 Years
Hardware	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	Realtek - RTL8111E
	Industry Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3at
	Interface	RJ45 (Gigabit Ethernet)
	Port Style	Integrated on Card
	Ports	2
Performance	Auto MDIX	Yes
	Buffer Size	48 KB
	Compatible Networks	10/100/1000 Mbps
	Full Duplex Support	Yes
	Maximum Data Transfer Rate	1000 Mbps (uni-directional), 2000 Mbps (bi-directional)
	MTBF	140,981 hours
Connector(s)	Connector Type(s)	1 - PCI Express x1 Male
	External Ports	2 - RJ-45 Female
	Internal Ports	1 - LP4 (4 pin; Molex-type Large Drive Power) Male 1 - SATA Power (15 pin) Plug
Software	OS Compatibility	Windows® 2000, XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2012 R2, 2016 Mac OS X® 10.6 to 10.9 Linux 2.4.x to 4.11.x *LTS Versions Only*
Special Notes / Requirements	Patents and Licenses	The following patents are licensed for this product. This list might not be all inclusive. • United States Patent No. 5,406,260 (expired) • United States Patent No. 6,650,622 • United States Patent No. 7,457,250 • United States Patent No. 8,155,012 • United States Patent No. 8,902,760 • United States Patent No. 8,942,107 • United States Patent No. 9,019,838 • United States Patent No. 9,049,019 • United States Patent Application No. 14/695,456 • United States Patent Application No. 14/726,940
	System and Cable Requirements	Available full/low profile PCI Express expansion slot Available LP4 Molex or SATA power connector
Indicators	LED Indicators	2 - Link/ Activity (green)

		2 - PoE Active (yellow)
Power	Output Voltage	48 DC
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	2.7 in [68 mm]
	Product Length	7.7 in [195 mm]
	Product Weight	3.7 oz [104 g]
	Product Width	0.7 in [19 mm]
Packaging Information	Shipping (Package) Weight	8.7 oz [246 g]
What's in the Box	Included in Package	1 - PCI Express Network Card
		1 - Low Profile Bracket
		1 - Driver CD
		1 - Instruction Manual

Product appearance and specifications are subject to change without notice.