StarTech.com
Hard-to-find made easy®

Data Sheet

4 Port Gigabit Power over Ethernet PCIe Network Card - PSE / PoE PCI Express NIC

Product ID: ST4000PEXPSE



The ST4000PEXPSE 4-Port PoE NIC lets you add four Gigabit Power over Ethernet ports through a single PCI Express slot. Each port can provide up to 25.5W of power, combining network data and power over a single Ethernet cable for reduced cable clutter and added convenience for remote PoE devices.

The PCI express PoE card supports the IEEE 802.3at (Type 1 and 2) standard for Power Sourcing Equipment (PSE), and can deliver up to 48V DC power to compliant Powered Devices (PD). This eliminates the need for a separate power source and data connection for PoE devices such as IP cameras, IP phones or wireless access points.

Suitable for any standard profile PCIe-enabled client, server or workstation, the PoE network card supports features such as Jumbo Frames (up to 9KB), VLAN tagging and Wake on LAN (WoL).

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS Compliant Available

Applications

- Create a host computer for networked security cameras situated in remote areas, where standard power connection is not possible
- Install PoE-powered Wireless Access Points (WAP) or repeaters in industrial, warehousing or business environments
- Enable remote installation of touchscreens or information kiosks

Features

- Four 10/100/1000 Mbps compatible PoE RJ45 ports
- Fully compliant with IEEE 802.3at (Type 1 & 2) Power over Ethernet standards
- Power Sourcing Equipment (PSE) supports up to 48V, 25.5 Watts max. output per port
- Built-in SATA and LP4 Molex power connector
- Up to 9K Jumbo Frame support
- Wake-on-LAN (Remote Wake-up) support
- Supports Pair Swap, Polarity and Skew Correction

	Warranty	2 Years
Hardware	Bus Type	PCI Express
	Card Type	Standard Profile
	Chipset ID	Realtek - RTL8111E
	Industry Standards	IEEE 802.3at, 802.3af, 802.3, 802.3u, 802.3ab, 802.3az Draft 2.2 Energy-Efficient Ethernet (EEE), 802.1q VLAN tagging, 802.1p Layer 2 Priority Encoding and 802.3x Full Duplex Flow Control
	Interface	RJ45 (Gigabit Ethernet)
	Port Style	Integrated on Card
	Ports	4
Performance	Auto MDIX	Yes
	Buffer Size	48 KB
	Compatible Networks	10/100/1000 Mbps
	Full Duplex Support	Yes
	Jumbo Frame Support	9K max.
	Maximum Data Transfer Rate	2000 Mbps (Full-duplex)
	Promiscuous Mode	Yes
Connector(s)	Connector Type(s)	1 - PCI Express x4 Male
	External Ports	4 - 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 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 height (standard profile) PCI Express expansion slot Available LP4 Molex or SATA power connector
Indicators	LED Indicators	4 - Link/ Activity (green) 4 - PoE Active (yellow)
Power	Output Voltage	48 DC
Environmental	Humidity	10~90% RH (Non-condensing)
	Operating Temperature	0°C to 55°C (32°F to 131°F)
	Storage Temperature	-40°C to 75°C (-40°F to 158°F)
Physical Characteristics	Product Height	4.7 in [120 mm]
	Product Length	9.6 in [243 mm]
	Product Weight	3.6 oz [102 g]
	Product Width	0.7 in [18 mm]
Packaging Information	Shipping (Package) Weight	15.1 oz [428 g]
What's in the Box	Included in Package	1 - PCI Express Network Card 1 - Driver CD 1 - Instruction Manual

Product appearance and specifications are subject to change without notice.