

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

StarTech 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.

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

Technical Specifications

Warranty	2 Years
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
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)
Connector Type(s)	1 - PCI Express x4 Male
External Ports	4 - RJ-45 Female
Internal Ports	1 - LP4 (4 pin; Molex Large Drive Power) Male
Internal Ports	1 - SATA Power (15 pin) Plug
OS Compatibility	Windows® 2000, XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2012 R2 Linux 2.4.x to 4.4.x <i>LTS Versions Only</i>
Patents and Licenses	The following patents are licensed for this product. This list might not be all inclusive. <ul style="list-style-type: none">• 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
System and Cable Requirements	Available LP4 Molex or SATA power connector
LED Indicators	4 - Link/ Activity (green)
LED Indicators	4 - PoE Active (yellow)
Output Voltage	48 DC
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)
Product Height	120 mm [4.7 in]
Product Length	243 mm [9.6 in]
Product Weight	102 g [3.6 oz]
Product Width	18 mm [0.7 in]
Shipping (Package) Weight	428 g [15.1 oz]
Included in Package	1 - PCI Express Network Card
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

 **RoHS Compliant**
Available

