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
### Hardware
- **Warranty**: 2 Years
- **Bus Type**: PCI Express
- **Card Type**: Standard Profile
- **Chipset ID**: Realtek - RTL8111E
- **Industry Standards**: IEEE 802.3at, 802.3af, 802.3, 802.3ab, 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; Large Drive Power) Male, 1 - SATA Power (15 pin) Plug

### Software

### 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. 14/726,940

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1 800 265 1844
### 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 [12 cm]
- **Product Length**
  - 9.6 in [24.3 cm]
- **Product Width**
  - 0.7 in [18 mm]
- **Weight of Product**
  - 3.6 oz [102 g]

### Packaging Information
- **Package Height**
  - 2.6 in [66 mm]
- **Package Length**
  - 11.7 in [29.6 cm]
- **Package Width**
  - 7.4 in [18.8 cm]
- **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.