

## 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**

### **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

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#### Hardware

Warranty	2 Years
Ports	4
Interface	RJ45 (Gigabit Ethernet)
Bus Type	PCI Express
Card Type	Standard Profile
Port Style	Integrated on Card
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
Chipset ID	Realtek - RTL8111E

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#### Performance

Maximum Data Transfer Rate	2000 Mbps (Full-duplex)
Buffer Size	48 KB
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
Jumbo Frame Support	9K max.
Promiscuous Mode	Yes

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#### Connector(s)



Connector Type(s)	PCI Express x4
Internal Ports	LP4 (4 pin; Large Drive Power) SATA Power (15 pin)
External Ports	RJ-45

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**Software**

OS Compatibility	Windows 2000, XP, Vista, 7, 8, 8.1, 10 Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019 Linux 2.4.x to 4.11.x <i>LTS Versions Only</i>
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**Special Notes / Requirements**

Patents and Licenses	The following patents are licensed for this product. This list might not be all inclusive.  <ul style="list-style-type: none"> <li>• United States Patent No. 5,406,260 (expired)</li> <li>• United States Patent No. 6,650,622</li> <li>• United States Patent No. 7,457,250</li> <li>• United States Patent No. 8,155,012</li> <li>• United States Patent No. 8,902,760</li> <li>• United States Patent No. 8,942,107</li> <li>• United States Patent No. 9,019,838</li> <li>• United States Patent No. 9,049,019</li> <li>• United States Patent Application No. 14/695,456</li> <li>• United States Patent Application No. 14/726,940</li> </ul>
System and Cable Requirements	Available full height (standard profile) PCI Express expansion slot  Available LP4 Molex or SATA power connector

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**Indicators**

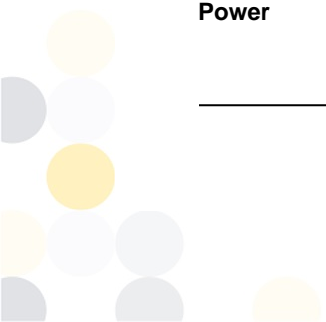
LED Indicators	Link/ Activity (green)  PoE Active (yellow)
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**Power**

Output Voltage	48 DC
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## Environmental

Operating Temperature	0C to 55C (32F to 131F)
Storage Temperature	-40C to 75C (-40F to 158F)
Humidity	10~90% RH (Non-condensing)

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## Physical Characteristics

Material	Steel
Product Length	9.6 in [24.3 cm]
Product Width	0.7 in [18.0 mm]
Product Height	4.7 in [12.0 cm]
Weight of Product	3.6 oz [102.0 g]

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## Packaging Information

Package Length	11.7 in [29.6 cm]
Package Width	7.4 in [18.8 cm]
Package Height	2.6 in [66.0 mm]
Shipping (Package) Weight	15.1 oz [428.0 g]

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## What's in the Box

Included in Package	PCI Express Network Card
	Driver CD
	Instruction Manual

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***\*Product appearance and specifications are subject to change without notice.***

