

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

**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) standard for Power Sourcing Equipment (PSE), and can deliver up to 50V 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).

### 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

- **FULLY COMPLIANT:** This 4 port Gigabit PoE card is fully compliant with IEEE 802.3at (Type 1) Power over Ethernet (PoE) standards
- **PSE SUPPORT:** This PCIe network card features a Power Sourcing Equipment (PSE) endpoint that supports up to 50V, 25.5 watts max. output per port
- **POWER YOUR PoE DEVICES:** Provide connectivity and power to compatible PoE devices, including cameras and wireless access points using this PCIe PoE Ethernet card
- **ULTIMATE SUPPORT:** The Gigabit NIC supports IEEE 802.3at, 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
- **THE IT PRO'S CHOICE:** Designed for reliability in edge and on-prem deployments, our network cards are lab-tested and field-proven for seamless integration and maximum uptime; Backed by free lifetime 24/5 multi-lingual technical assistance

---

### 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 - RTL8111H

---

### Performance

Wake On Lan	Yes
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

---

**Connector(s)**

Connector Type(s)	1 - PCI Express x4
Internal Ports	1 - LP4 (4 pin; Large Drive Power)
	1 - SATA Power (15 pin)
External Ports	4 - RJ-45

---

**Software**

OS Compatibility	Windows 2000, XP, Vista, 7, 8, 8.1, 10, 11
	Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022
	Linux 2.4.x and up - LTS Versions only

---

**Special Notes / Requirements**

Patents and Licenses	<p>The following patents are licensed for this product. This list might not be all inclusive.</p> <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 or SATA power connector

---

#### Indicators

LED Indicators	4 - Link/ Activity (green)
	4 - PoE Active (yellow)

---

#### Power

Output Voltage	50V DC
----------------	--------

---

#### Environmental

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

---

#### Physical Characteristics

Color	Yellow
Material	Steel
Product Length	9.6 in [24.3 cm]
Product Width	0.7 in [1.8 cm]
Product Height	4.7 in [12.0 cm]
Weight of Product	3.6 oz [102.0 g]

---

#### Packaging Information

Package Quantity	1
Package Length	11.7 in [29.6 cm]
Package Width	7.5 in [19.1 cm]
Package Height	2.8 in [7.1 cm]
Shipping (Package) Weight	15.0 oz [424.0 g]

---

#### What's in the Box

Included in Package	1 - PCI Express Network Card
---------------------	------------------------------

1 - Instruction Manual

---

**Warranty  
Information**

Warranty	2 Years
----------	---------

---

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

