



# THE DATASHEET OF ST4000PEXPSE



## 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 802.3 AT Class 1 and Class 2 (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 Class 1 & Class 2, 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 802.3 AT Class 1 and Class 2 (Type 1), 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

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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 - RTL8111H

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### 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

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#### 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

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#### 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
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#### 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>
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System and Cable Requirements	Available full height (standard profile) PCI Express expansion slot
	Available LP4 or SATA power connector

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**Indicators**

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

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**Power**

Output Voltage	50V 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**

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]

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**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]

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**What's in the Box**

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

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**Warranty  
Information**



Warranty	2 Years
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*\*Product appearance and specifications are subject to change without notice.*

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