

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

General

UPC	065030855150
Package Quantity	1
Warranty	2 Years

Compliance & Certifications

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
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- United States Patent Application No. 14/695,456
- United States Patent Application No. 14/726,940

Special Notes / Requirements

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

Power

Output Voltage	50V DC
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Physical & Environmental

Color	Yellow
Material	Steel
Product Length	9.6 in [243.0 mm]
Product Width	0.7 in [18.0 mm]
Product Height	4.7 in [120.0 mm]
Weight of Product	3.6 oz [102.0 g]
Operating Temperature	0C to 55C (32F to 131F)
Storage Temperature	-40C to 75C (-40F to 158F)
Humidity	10~90% RH (Non-condensing)

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

	Wake-On-LAN (WOL)	Yes
Hardware		
	Number of 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
	LED Indicators	4 - Link/ Activity (green) 4 - PoE Active (yellow)
Packaging & In-the-Box		
	Included in Package	1 - PCI Express Network Card 1 - Instruction Manual
	Package Width	11.7 in [296 mm]
	Package Depth	7.5 in [191 mm]
	Package Height	2.8 in [71 mm]
	Shipping (Package) Weight	15.0 oz [424 g]
Connector(s)		
	Connector 1 (Quantity)	1
	Connector 1	PCI Express x4
	Connector 2 (Quantity)	4
	Connector 2	RJ-45
	Connector 3 (Quantity)	1

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