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

StarTech 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.

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

Technical Specifications

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
Connector Type(s)	1 - PCI Express x4 Male
Internal Ports	1 - LP4 (4 pin; Molex Large Drive Power) Male
Internal Ports	1 - SATA Power (15 pin) Plug
External Ports	4 - RJ-45 Female
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.
OS Compatibility	Windows® 8 / 8.1 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64) Windows Server® 2012, 2008 R2, 2003(32/64) Linux 2.4.x and later
System and Cable Requirements	Available full height (standard profile) PCI Express expansion slot
System and Cable Requirements	Available LP4 Molex or SATA power connector
Product Length	9.4 in [240 mm]
Product Width	0.7 in [18 mm]

Product Height	4.7 in [120 mm]
LED Indicators	4 - Link/ Activity (green)
LED Indicators	4 - PoE Active (yellow)
Output Voltage	48 DC
Operating Temperature	0°C to 55°C (32°F to 131°F)
Storage Temperature	-40°C to 75°C (-40°F to 158°F)
Humidity	10~90% RH (Non-condensing)
Shipping (Package) Weight	10.2 oz [290 g]
Included in Package	1 - PCI Express Network Card
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

CE

FC

works with
Linux

RoHS Compliant
Available

works with
Windows 7

works with
Windows
Server 2012

works with
Windows 8