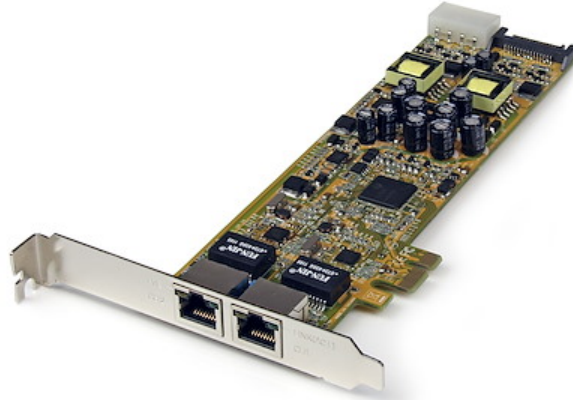


Dual Port PCI Express Gigabit Ethernet PCIe Network Card Adapter - PoE/PSE

Product ID: ST2000PEXPSE



The ST2000PEXPSE Dual Port PoE NIC provides two 10/100/1000 Mbps PoE RJ45 ports that can provide up to 25.5W of power each, combining a network data connection and power on a single cable, for less clutter and convenient installations in remote locations.

This full/low profile Gigabit server adapter supports the IEEE 802.3at (Type 1 and 2) standard for a Power Sourcing Equipment (PSE) device, and can deliver 48V DC power to compliant Powered Devices (PD). This eliminates the need for a separate power source and cable for remote networked devices such as IP cameras, IP phones and wireless access points.

Suitable for any PCI Express-enabled client, server or workstation, this versatile PoE network adapter supports features such as Jumbo Frames, VLAN tagging and Wake on LAN (WOL).

The ST2000PEXPSE PoE NIC is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

Applications

- Provide power to PoE powered devices, where they have no access to a power source
- Add 2 Ethernet ports to a workstation or server computer from a single PCIe slot
- Connect to 2 separate networks simultaneously
- Install dual networking capabilities into a small form factor or other space-constrained computer system
- Connecting Power over Ethernet-enabled IP cameras, IP phones or Wireless Access Points

Features

- Dual 10/100/1000 Mbps PoE RJ45 ports
- Supports IEEE 802.3at (Type 1, 2) Power over Ethernet standard
- Power Sourcing Equipment (PSE) design, provides data and up to 25.5W of power on each port
- Built-in SATA and LP4 Molex power connector
- Unique surge protection design helps prevent system damage in the event of lightning strikes
- Jumbo Frame support
- On-chip 48 KB Big Transmit/Receive Buffer Support
- Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, and supports IEEE 802.1Q VLAN tagging, IEEE 802.1P Layer 2 Priority Encoding and IEEE 802.3x Full Duplex Flow Control
- Crossover Detection & Auto-Correction (Auto MDIX)
- Includes full and low profile/half-height installation brackets

Hardware

| | |
|--------------------|---|
| Warranty | 2 Years |
| Ports | 2 |
| Interface | RJ45 (Gigabit Ethernet) |
| Bus Type | PCI Express |
| Card Type | Standard Profile (LP bracket incl.) |
| Port Style | Integrated on Card |
| Industry Standards | IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3at |
| Chipset ID | Realtek - RTL8111E |

Performance

| | |
|----------------------------|---|
| Maximum Data Transfer Rate | 1000 Mbps (uni-directional), 2000 Mbps (bi-directional) |
| Buffer Size | 48 KB |
| Compatible Networks | 10/100/1000 Mbps |
| Auto MDIX | Yes |



| | |
|---------------------|---------------|
| Full Duplex Support | Yes |
| MTBF | 140,981 hours |

Connector(s)

| | |
|-------------------|---|
| Connector Type(s) | PCI Express x1 |
| Internal Ports | LP4 (4 pin; Large Drive Power) SATA Power (15 pin) |
| External Ports | 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 Mac OS X 10.6 to 10.9, Linux 2.4.x to 4.11.x <i>LTS Versions Only</i> |
|------------------|--|

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"> • 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 • United States Patent Application No. 14/695,456 • United States Patent Application No. 14/726,940 |
| System and Cable Requirements | Available full/low profile PCI Express expansion slot Available LP4 Molex or SATA power connector |

Indicators



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

Power

| | |
|----------------|-------|
| Output Voltage | 48 DC |
|----------------|-------|

Environmental

| | |
|-----------------------|---------------------------|
| Operating Temperature | 0C to 55C (32F to 131F) |
| Storage Temperature | -20C to 85C (-4F to 185F) |
| Humidity | 5% ~ 95% RH |

Physical Characteristics

| | |
|-------------------|------------------|
| Color | Yellow |
| Product Length | 7.7 in [19.5 cm] |
| Product Width | 0.7 in [19.0 mm] |
| Product Height | 2.7 in [68.0 mm] |
| Weight of Product | 3.7 oz [104.0 g] |

Packaging Information

| | |
|---------------------------|------------------|
| Package Length | 6.5 in [16.5 cm] |
| Package Width | 9.1 in [23.1 cm] |
| Package Height | 1.8 in [45.0 mm] |
| Shipping (Package) Weight | 8.7 oz [246.0 g] |

What's in the Box

| | |
|---------------------|--------------------------|
| Included in Package | PCI Express Network Card |
| | Low Profile Bracket |
| | Driver CD |
| | Instruction Manual |

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