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

StarTech 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.

 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

Technical Specifications

Warranty	2 Years
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Realtek RTL8111E
Industry Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3at
Interface	PCI Express
Port Style	Integrated on Card
Ports	2
Connector Type(s)	1 - PCI Express x1 Male
External Ports	2 - RJ-45 Female
Internal Ports	1 - LP4 (4 pin; Molex Large Drive Power) Male
Internal Ports	1 - SATA Power (15 pin) Plug
Auto MDIX	Yes
Buffer Size	48 KB
Compatible Networks	10/100/1000 Mbps
Full Duplex Support	Yes
Maximum Data Transfer Rate	1000 Mbps (uni-directional), 2000 Mbps (bi-directional)
OS Compatibility	Windows® 98SE/ ME/ 2000/ XP (32/64-bit)/ Server 2003 (32/64-bit)/ Server 2008 R2/ Vista (32/64-bit)/ 7 (32/64-bit)/ 8 (32/64-bit) Linux Kernel 2.4.x and later
Product Height	19 mm [0.7 in]
Product Length	195 mm [7.7 in]
Product Weight	150 g [5.3 oz]
Product Width	68 mm [2.7 in]
LED Indicators	2 - Link/ Activity (green)
LED Indicators	2 - PoE Active (yellow)
Output Voltage	48 DC
Humidity	5% ~ 95% RH
Operating Temperature	0°C to 55°C (32°F to 131°F)
Storage Temperature	-20°C to 85°C (-4°F to 185°F)
System and Cable Requirements	Available full/low profile PCI Express expansion slot
System and Cable	Available LP4 Molex or SATA power connector

Requirements

Shipping (Package) Weight	200 g [7.1 oz]
Included in Package	1 - PCI Express Network Card
Included in Package	1 - Low Profile Bracket
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility