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Spec Sheet

Dual Port PCI Express (PCIe x4) Gigabit Ethernet Server Adapter Network Card - Intel i350 NIC

StarTech ID: ST2000SPEXI

The ST2000SPEXI PCI Express Dual Port Gigabit Network Card lets you add two gigabit Ethernet ports to a desktop computer through a single, four-lane (x4 or higher)PCI Express slot.Each port is fully compatible with IEEE 802.3/u/ab standards, for 10/100/1000 Mbps auto-negotiation.

This 2-port GbE network card is based on the high-performance Intel® I350 chipset, which offers several advanced driver options including IEEE 802.3ad link aggregation / teaming support, enabling you to add additional bandwidth to your system. Support for Jumbo Frames, full-duplex operation and 802.1q VLAN tagging also aid in creating an efficient network configuration.

Also useful for virtualization applications (check your VM software for chipset compatibility) or setting up a dual-homed host configuration, this dual-port network card lets you accommodate several complex network scenarios, to meet your business needs. For added versatility, the controller card is equipped with a standard profile bracket and includes a low-profile/half-height bracket for installation in small form-factor computers.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Ideal for VM environments with multiple operating systems, requiring shared or dedicated NICs
- Provide redundant connectivity to ensure an uninterrupted network connection
- Configure a dual-homed proxy or gateway system for an added layer of security
- Specially designed for desktop PC clients, servers, and workstations with few PCI Express slots available

Features

- Two 10/100/1000Mbps compatible RJ-45 Ethernet ports
- Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE802.3ad (link aggregation) and supports IEEE 802.1Q VLAN tagging
- Jumbo Frame support up to 9k bytes
- Teaming Support
- Supports Checksum Offload (IP, TCP, UDP), Transmit Segmentation Offload (TCP, UDP) and Large send Offload
- Wake-on-LAN / Remote Wake-up support
- Configured with standard profile bracket, low profile/half-height bracket included
- Supports Intel® Virtualization Technology (VT-c, VMDq, SR-IOV)
- Four-lane (x4) PCI Express compatible with x4, x8 and x16 PCIe slots
- Compatible with PCI Express Base Specification 2.1 (backward compatible with 1.0a/1.1)

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Technical Specifications

Warranty	2 Years
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Intel - I350-AM2
Industry Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Industry Standards	PCI Express Base Specification 2.1
Interface	RJ45 (Gigabit Ethernet)
Port Style	Integrated on Card
Ports	2
Auto MDIX	Yes
Compatible Networks	10/100/1000 Mbps
Full Duplex Support	Yes
Jumbo Frame Support	9K max.
Maximum Data Transfer Rate	2000 Mbps (full-duplex), 1000 Mbps (half-duplex)
Supported Protocols	IEEE 802.3ad (link aggregation), IEEE 1588 (time sync) / 802.1AS, IEEE 802.1q (VLAN tagging)
Connector Type(s)	1 - PCI Express x4 Male
External Ports	2 - RJ-45 Female
OS Compatibility	Windows® XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012 Linux 2.4.x to 4.4.x *LTS Versions only*
Note	Creating Intel® ANS teams and VLANs on Microsoft Windows® 10 is currently not supported. As a result, when created, teams and VLANs do not pass traffic. We expect that ANS will be supported on Microsoft Windows 10 client in a future release.
System and Cable Requirements	Available PCI Express x4 or higher (x8, x16) slot

LED Indicators	2 - 10/100/1000 Mbps Indicator
LED Indicators	2 - Link / Activity
Humidity	5~85% RH
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Product Height	4.8 in [121 mm]
Product Length	2.6 in [67 mm]
Product Weight	2.8 oz [80 g]
Product Width	0.7 in [19 mm]
Shipping (Package) Weight	5.9 oz [166 g]
Included in Package	1 - 2 Port 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