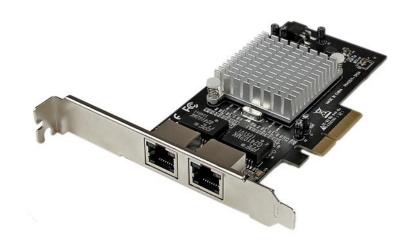


# Dual Port PCI Express (PCIe x4) Gigabit Ethernet Server Adapter Network Card - Intel i350 NIC

Product 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.





## Certifications, Reports and Compatibility











#### **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)



## **Data Sheet**

Hardware         Bus Type         PCI Express           Card Type         Standard Profile (LP bracket incl.)           Chipset ID         Intel - 1350-AM2           Industry Standards         IEEE 802.3, IEEE 802.3u, IEEE 802.3ab           PCI Express Base Specification 2.1         Permonance           Interface         R45 (Gigabit Ethernet)           Ports         2           Performance         Auto MDIX         Yes           Full Duplex Support         Yes           Jumbo Frame Support         9K max.           Maximum Data Transfer Rate         2000 Mbps (full-duplex), 1000 Mbps (half-duplex)           Promiscuous Mode         Yes           Supported Protocols         IEEE 802.3ad (link aggregation), IEEE 1588 (time sync) / 802.1AS, IEEE 802.1a (VLAN tagging)           Connector (s)         Connector Type(s)         1 - PCI Express x4 Male           External Ports         2 - RJ-45 Female           Software         OS Compatibility         Windows % 7, 8, 8, 1, 10           Windows Server@ 2008 R2, 2012, 2012 R2, 2016 Linux 2.4.x to 4.4.x LTS versions only           Special Notes / Requirements         System and Cable Requirements         Available PCI Express x4 or higher (x8, x16) slot           Indicators         LED Indicators         2 - 10/100/1000 Mbps Indicator           Envir		Warranty	2 Years
Chipset ID   Intel - 1350-AM2   IEEE 802.3u, IEEE 802.3ab   PCI Express Base Specification 2.1	Hardware	Bus Type	PCI Express
Industry Standards    FEEE 802.3, IEEE 802.3, IEEE 802.3ab     PCI Express Base Specification 2.1     Interface		Card Type	Standard Profile (LP bracket incl.)
Interface RJ45 (Gigabit Ethernet) Port Style Integrated on Card Ports 2  Performance 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) Promiscuous Mode Yes Supported Protocols IEEE 802.3ad (link aggregation), IEEE 1588 (time sync) / 802.1AS, IEEE 802.1q (VLAN tagging)  Connector(s) Connector Type(s) 1 - PCI Express x4 Male External Ports 2 - RJ-45 Female  Software OS Compatibility Windows® 7, 8, 8, 1, 10 Windows® 5, 8, 8, 1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.4x to 4.4x LTS versions only  Special Notes / Requirements  Indicators LED Indicators 2 - 10/100/1000 Mbps Indicator Requirements  Humidity 5~85% RH Operating Temperature 0°C to 50°C (32°F to 122°F) Storage Temperature 0°C to 50°C (32°F to 140°F)  Physical Characteristics Product Length 2.6 in [67 mm]		Chipset ID	Intel - I350-AM2
Interface Port Style Integrated on Card Ports 2  Performance 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) Promiscuous Mode Yes Supported Protocols IEEE 802.3ad (link aggregation), IEEE 1588 (time sync) / 802.1AS, IEEE 802.1q (VLAN tagging)  Connector(s) Connector Type(s) 1 - PCI Express x4 Male External Ports 2 - RJ-45 Female  Software OS Compatibility Windows® 7, 8, 8.1, 10 Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.4x to 4.4.x LTS versions only  Special Notes / Requirements  Indicators LED Indicators 2 - 10/100/1000 Mbps Indicator 2 - Link / Activity  Environmental Humidity 5~85% RH Operating Temperature 0°C to 50°C (32°F to 122°F) Storage Temperature 0°C to 50°C (32°F to 140°F)  Physical Characteristics Product Height 4.8 in [121 mm]		Industry Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Port Style Ports  2  Performance Auto MDIX Compatible Networks Full Duplex Support Jumbo Frame Support Promiscuous Mode Promiscuous Mode Promiscuous Mode Yes Supported Protocols External Ports External Ports OS Compatibility Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.4.x to 4.4.x LTS versions only  Special Notes / Requirements Indicators LED Indicators  LED Indicators Product Leight Product Length			PCI Express Base Specification 2.1
Performance Auto MDIX Compatible Networks Full Duplex Support Jumbo Frame Support Promiscuous Mode Supported Protocols Supported Protocols External Ports  OS Compatiblity Windows 97, 8, 8.1, 10 Windows 97,		Interface	RJ45 (Gigabit Ethernet)
Performance Auto MDIX Compatible Networks Full Duplex Support Yes Jumbo Frame Support Maximum Data Transfer Rate Promiscuous Mode Yes Supported Protocols EEEE 802.3ad (link aggregation), IEEE 1588 (time sync) / 802.1AS, IEEE 802.1q (VLAN tagging)  Connector(s) Connector Type(s) External Ports 2 - RJ-45 Female  Software OS Compatibility Windows® 7, 8, 8.1, 10 Windows® Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.4.x to 4.4.x LTS versions only  Special Notes / Requirements  Indicators LED Indicators 2 - 10/100/1000 Mbps Indicator 2 - Link / Activity  Environmental Humidity Operating Temperature O°C to 50°C (32°F to 122°F) Storage Temperature -20°C to 60°C (-4°F to 140°F)  Physical Characteristics Product Length 2.6 in [67 mm]		Port Style	Integrated on Card
Compatible Networks Full Duplex Support Yes Jumbo Frame Support 9K max.  Maximum Data Transfer Rate Promiscuous Mode Yes Supported Protocols IEEE 802.3ad (link aggregation), IEEE 1588 (time sync) / 802.1AS, IEEE 802.1q (VLAN tagging)  Connector(s) Connector Type(s) External Ports 1 - PCI Express x4 Male External Ports 2 - RJ-45 Female  Software OS Compatibility Windows \$7, 8, 8.1, 10 Windows Server \$2008 R2, 2012, 2012 R2, 2016 Linux 2.4.x to 4.4.x LTS versions only  Special Notes / Requirements Indicators LED Indicators 2 - 10/100/1000 Mbps Indicator 2 - Link / Activity  Environmental Humidity S~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)  Physical Characteristics Product Length 2.6 in [67 mm]		Ports	2
Full Duplex Support Jumbo Frame Support 9K max.  Maximum Data Transfer Rate 2000 Mbps (full-duplex), 1000 Mbps (half-duplex) Promiscuous Mode Yes Supported Protocols IEEE 802.3ad (link aggregation), IEEE 1588 (time sync) / 802.1AS, IEEE 802.1q (VLAN tagging)  Connector(s) Connector Type(s) External Ports 2 - RJ-45 Female  Software OS Compatibility Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.4.x to 4.4.x LTS versions only  Special Notes / Requirements Indicators LED Indicators 2 - 10/100/1000 Mbps Indicator 2 - Link / Activity  Environmental Humidity Operating Temperature 0°C to 50°C (32°F to 122°F) Storage Temperature -20°C to 60°C (-4°F to 140°F)  Physical Characteristics Product Length 2.6 in [67 mm]	Performance	Auto MDIX	Yes
Jumbo Frame Support  Maximum Data Transfer Rate  Promiscuous Mode  Yes  Supported Protocols  IEEE 802.3ad (link aggregation), IEEE 1588 (time sync) / 802.1AS, IEEE 802.1q (VLAN tagging)  Connector(s)  Connector Type(s)  External Ports  OS Compatibility  Windows® 7, 8, 8.1, 10  Windows Server® 2008 R2, 2012, 2012 R2, 2016  Linux 2.4.x to 4.4.x LTS versions only  Special Notes / Requirements  Indicators  LED Indicators  LED Indicators  2 - 10/100/1000 Mbps Indicator  2 - Link / Activity  Environmental  Humidity  Operating Temperature  O°C to 50°C (32°F to 122°F)  Storage Temperature  -20°C to 60°C (-4°F to 140°F)  Physical  Characteristics  Product Length  Product Length  2.6 in [67 mm]		Compatible Networks	10/100/1000 Mbps
Maximum Data Transfer Rate Promiscuous Mode Yes Supported Protocols IEEE 802.3ad (link aggregation), IEEE 1588 (time sync) / 802.1AS, IEEE 802.1q (VLAN tagging)  Connector(s) Connector Type(s) External Ports 2 - RJ-45 Female  Software OS Compatibility Windows 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.4.x to 4.4.x LTS versions only  Special Notes / Requirements Requirements  Indicators LED Indicators 2 - 10/100/1000 Mbps Indicator 2 - Link / Activity  Environmental 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)  Physical Characteristics Product Length 2.6 in [67 mm]		Full Duplex Support	Yes
Promiscuous Mode Supported Protocols  EEEE 802.3ad (link aggregation), IEEE 1588 (time sync) / 802.1AS, IEEE 802.1q (VLAN tagging)  Connector(s)  Connector Type(s) External Ports 2 - RJ-45 Female  Software  OS Compatibility Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.4.x to 4.4.x LTS versions only  Special Notes / Requirements  Indicators  LED Indicators  2 - 10/100/1000 Mbps Indicator 2 - Link / Activity  Environmental  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)  Physical Characteristics Product Length 2.6 in [67 mm]		Jumbo Frame Support	9K max.
Supported Protocols    EEE 802.3ad (link aggregation), IEEE 1588 (time sync) / 802.1AS, IEEE 802.1q (VLAN tagging)   Connector(s)		Maximum Data Transfer Rate	2000 Mbps (full-duplex), 1000 Mbps (half-duplex)
Connector(s)  Connector Type(s) External Ports  2 - RJ-45 Female  Software  OS Compatibility Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.4.x to 4.4.x LTS versions only  Special Notes / Requirements  LED Indicators  LED Indicators  LED Indicators  2 - 10/100/1000 Mbps Indicator 2 - Link / Activity  Environmental Humidity S~85% RH Operating Temperature O°C to 50°C (32°F to 122°F) Storage Temperature -20°C to 60°C (-4°F to 140°F)  Physical Characteristics  Product Length 2.6 in [67 mm]		Promiscuous Mode	Yes
External Ports  2 - RJ-45 Female  OS Compatibility  Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.4.x to 4.4.x LTS versions only  Special Notes / Requirements  Indicators  LED Indicators  2 - 10/100/1000 Mbps Indicator 2 - Link / Activity  Environmental  Humidity  Operating Temperature  Storage Temperature  Product Height  4.8 in [121 mm]  Product Length  2 - RJ-45 Female  Windows® 7, 8, 8.1, 10 Windows Prove 8 2008 R2, 2012, 2012 R2, 2016 Linux 2.4.x to 4.4.x LTS versions only  8		Supported Protocols	
Software  OS Compatibility  Windows® 7, 8, 8.1, 10  Windows Server® 2008 R2, 2012, 2012 R2, 2016  Linux 2.4.x to 4.4.x LTS versions only  Special Notes / Requirements  Indicators  LED Indicators  2 - 10/100/1000 Mbps Indicator 2 - Link / Activity  Environmental  Humidity  Operating Temperature  O°C to 50°C (32°F to 122°F)  Storage Temperature  -20°C to 60°C (-4°F to 140°F)  Physical Characteristics  Product Length  Windows® 7, 8, 8.1, 10  Windows Server® 2008 R2, 2012, 2012 R2, 2012  Available PCI Express x4 or higher (x8, x16) slot  2 - 10/100/1000 Mbps Indicator  2 - Link / Activity  5~85% RH  Operating Temperature  -20°C to 60°C (-4°F to 140°F)  Product Height  4.8 in [121 mm]	Connector(s)	Connector Type(s)	1 - PCI Express x4 Male
Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.4.x to 4.4.x LTS versions only  Special Notes / Requirements  Indicators  LED Indicators  2 - 10/100/1000 Mbps Indicator 2 - Link / Activity  Environmental  Humidity  5~85% RH  Operating Temperature  O°C to 50°C (32°F to 122°F)  Storage Temperature  -20°C to 60°C (-4°F to 140°F)  Physical Characteristics  Product Length  Windows Server® 2008 R2, 2012, 2012 R2, 2016  Linux 2.4.x to 4.4.x LTS versions only  Available PCI Express x4 or higher (x8, x16) slot  2 - 10/100/1000 Mbps Indicator 2 - Link / Activity  4.85% RH  Operating Temperature  -20°C to 60°C (-4°F to 140°F)  4.8 in [121 mm]		External Ports	2 - RJ-45 Female
Indicators  LED Indicators  2 - 10/100/1000 Mbps Indicator  2 - Link / Activity  Environmental  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)  Physical Characteristics  Product Length  2.6 in [67 mm]	Software	OS Compatibility	Windows Server® 2008 R2, 2012, 2012 R2, 2016
Environmental 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)  Physical Characteristics  Product Length 2.6 in [67 mm]	=	System and Cable Requirements	Available PCI Express x4 or higher (x8, x16) slot
Environmental 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)  Physical Characteristics Product Height 2.6 in [67 mm]	Indicators	LED Indicators	2 - 10/100/1000 Mbps Indicator
Operating Temperature 0°C to 50°C (32°F to 122°F) Storage Temperature -20°C to 60°C (-4°F to 140°F)  Physical Characteristics Product Length 2.6 in [67 mm]			2 - Link / Activity
Storage Temperature -20°C to 60°C (-4°F to 140°F)  Physical Characteristics  Product Height 4.8 in [121 mm]  Product Length 2.6 in [67 mm]	Environmental	Humidity	5~85% RH
Physical Product Height 4.8 in [121 mm]  Characteristics  Product Length 2.6 in [67 mm]		Operating Temperature	0°C to 50°C (32°F to 122°F)
Characteristics  Product Length 2.6 in [67 mm]		Storage Temperature	-20°C to 60°C (-4°F to 140°F)
	-	Product Height	4.8 in [121 mm]
Product Weight 2.8 oz [80 g]		Product Length	2.6 in [67 mm]
		Product Weight	2.8 oz [80 g]



## **Data Sheet**

	Product Width	0.7 in [19 mm]
Packaging Information	Shipping (Package) Weight	5.9 oz [166 g]
What's in the Box	Included in Package	1 - 2 Port Network Card
		1 - Low Profile Bracket
		1 - Driver CD
		1 - Instruction Manual

Product appearance and specifications are subject to change without notice.