

# 1-Port 10G SFP+ Fiber Optic Network Card - PCIe - Intel Chip - MM

Product ID: PEX10000SRI



This fiber optic network card delivers reliable, high-performance network connectivity, providing an easy and cost-effective way to upgrade your server or workstation to 10 Gigabit networking over multimode fiber. The 10G network card comes with an installed multimode SFP+ transceiver with up to 330 m range, to get you up and running quickly.

### Take advantage of faster network speeds

Increasing numbers of network users and data-intensive applications, such as multimedia streaming and large file transfers, all drive the need to increase the bandwidth capability of your network infrastructure. This fiber NIC lets you take advantage of the increased speed and stability of a 10 Gigabit network, with data transfers of up to 10Gbps and up to 20Gbps (full duplex) bandwidth.





### Includes an SFP+ transceiver, built for reliable performance

For added convenience, this single-port 10G network card comes with an installed multimode SFP+ transceiver. Built to ensure reliable performance, the 10 GbE SFP+ is manufactured by StarTech.com to meet or exceed OEM specifications and comply with the industry's MSA (Multi-Source Agreement) standards. The 10GBase-SR SFP+ delivers 10 Gigabit connectivity over multimode fiber cable with a range of up to 330 m (1082 ft).

### Enhance your network capabilities and reliability

The 10 Gigabit network card features the Intel® 82599 chipset, delivering the power, performance and enhanced capabilities you need for reliable network connections to your server or computer. The Intel chip offers many advanced features including Intel® Virtualization Technology for Connectivity, PXE network boot support and up to 15K jumbo frame support.

The 10G NIC connects easily through an available PCI Express expansion slot, and is compliant with PCIe Rev. 2 x8 (or higher). The network card comes with a standard profile, and also includes a low-profile bracket, for versatile installation.

The PEX10000SRI is backed by a StarTech.com 2-year warranty and free lifetime technical support.





## Certifications, Reports and Compatibility











### **Applications**

- Connect servers and workstations at 10Gbps over multimode fiber
- Supports secure setups a direct fiber connection means no electronic interference, which can be a problem with RJ45 network cards
- Ensure reliable network performance with the pre-installed multimode SFP+ transceiver, with a range of up to 330 m (1082 ft.)
- Create a video / audio editing console with 10Gbps access to network storage

#### **Features**

- Upgrade your server or workstation to 10G Ethernet for fast, highbandwidth connectivity over multimode fiber
- Single-port 10G network card with installed multimode SFP+ transceiver (up to 330 m range)
- Intel 82599 chipset with Intel Virtualization Technology for Connectivity
- Compliant with IEEE 802.3ae (10GBASE-SR)
- Supports PXE network boot support, VLAN tagging, link aggregation
- Up to 15K jumbo frame support
- Up to 20Gbps (full duplex) bandwidth



### **Data Sheet**

Card Type Chipset ID Interface Ports Interface Ports I0 Gbps Full Duplex Support Yes Jumbo Frame Support Promiscuous Mode From External Ports I1 EEE 802.3x (Flow Control Support) IEEE 802.3x		Warranty	2 Years
Chipset ID Interface Ports Interface Fiber (10 Gigabit Ethernet) Performance  Compatible Networks I0 Gbps Full Duplex Support Jumbo Frame Support Jumbo Frame Support Jumbo Frame Support Promiscuous Mode Promiscuous Mode Yes Supported Protocols IEEE 802.3ad (Link Aggregation) IEEE 802.3ad (Link Aggregation) IEEE 802.3a (Flow Control Support) IEEE 802.1Q (VLAN tagging)  Connector Type(s) I - PCI Express x8 Male External Ports I - Fiber Optic LC Duplex Female  Software OS Compatibility Windows Server® 2008 R2, 2012, 2012 R2, 2016 Icinux 2.6.24 to 4.4.x LTS Versions only  Environmental Humidity 20% ~ 80% RH Operating Temperature Soft to 50°C (41°F to 122°F) Storage Temperature Soft to 60°C (-4°F to 140°F)  Physical Characteristics Product Height Product Length Product Width O, 7 in [120 mm] Product Width O, 7 in [18 mm]  Packaging Information  What's in the Box Included in Package I - 10G SFP+ fiber network card I - 10GBase-SR SFP+ transceiver module I - low-profile bracket	Hardware	Bus Type	PCI Express
Interface Fiber (10 Gigabit Ethernet) Ports 1 Performance Compatible Networks 10 Gbps Full Duplex Support Yes Jumbo Frame Support 15K max. Maximum Data Transfer Rate 20000 Mbps (20 Gbps) - Full-Duplex Promiscuous Mode Yes Supported Protocols IEEE 802.3x (Flow Control Support) IEEE 802.3x (Flow Control Support) IEEE 802.3x (Flow Control Support) IEEE 802.1x (Flow C		Card Type	Standard Profile (LP bracket incl.)
Ports 1 Compatible Networks 10 Gbps Full Duplex Support Yes Jumbo Frame Support 15K max. Maximum Data Transfer Rate 20000 Mbps (20 Gbps) - Full-Duplex Promiscuous Mode Yes Supported Protocols IEEE 802.3ad (Link Aggregation) IEEE 802.3x (Flow Control Support) IEEE 802.3x (Flow Control Support) IEEE 802.1Q (VLAN tagging)  Connector(s) Connector Type(s) 1 - PCI Express x8 Male External Ports 1 - Fiber Optic LC Duplex Female  OS Compatibility Windows 8 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.6.24 to 4.4.x LTS Versions only  Environmental Humidity 20% ~ 80% RH Operating Temperature 5°C to 50°C (41°F to 122°F) Storage Temperature -20°C to 60°C (-4°F to 140°F)  Physical Characteristics  Product Height 4.7 in [120 mm] Product Length 5.3 in [135 mm] Product Weight 4.1 oz [116 g] Product Width 0.7 in [18 mm]  Packaging Information  What's in the Box  Included in Package 1 - 10G SFP+ fiber network card		Chipset ID	Intel 82599
Performance  Compatible Networks Full Duplex Support Jumbo Frame Support Adximum Data Transfer Rate Promiscuous Mode Yes Supported Protocols IEEE 802.3ad (Link Aggregation) IEEE 802.1Q (VLAN tagging)  Connector(s) Connector Type(s) External Ports 1 - Fiber Optic LC Duplex Female  Windows Review 2008 R2, 2012, 2012 R2, 2016 Linux 2.6.24 to 4.4.x LTS Versions only  Environmental Humidity Doperating Temperature Soft to 50°C (41°F to 122°F) Storage Temperature Color Storage Temperature Froduct Height Product Height Product Weight Product Weight Product Width O,7 in [120 mm] Product Weight Product Width O,7 in [18 mm]  Packaging Information  What's in the Box Included in Package  1 - 10G SFP+ fiber network card 1 - 10GBase-SR SFP+ transceiver module 1 - low-profile bracket		Interface	Fiber (10 Gigabit Ethernet)
Full Duplex Support Jumbo Frame Support Jumbo Frame Support Jumbo Frame Support Maximum Data Transfer Rate Promiscuous Mode Yes Supported Protocols IEEE 802.3ad (Link Aggregation) IEEE 802.3at (Flow Control Support) IEEE 802.1q (VLAN tagging)  Connector(s) Connector Type(s) I - PCI Express x8 Male External Ports I - Fiber Optic LC Duplex Female  Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.6.24 to 4.4x LTS Versions only  Environmental Humidity 20% ~ 80% RH Operating Temperature Soc to 50°C (41°F to 122°F) Storage Temperature -20°C to 60°C (-4°F to 140°F)  Physical Characteristics Product Height Product Length Product Weight Product Weight Product Width 0.7 in [120 mm] Product Weight Product Width 0.7 in [18 mm]  Shipping (Package) Weight Incommation  What's in the Box Included in Package  1 - 10G SFP+ fiber network card 1 - 10GBase-SR SFP+ transceiver module 1 - low-profile bracket		Ports	1
Jumbo Frame Support  Maximum Data Transfer Rate  Promiscuous Mode  Promiscuous Mode  Supported Protocols  EEEE 802.3ad (Link Aggregation) IEEE 802.3x (Flow Control Support) IEEE 802.3x (Flow Control Support) IEEE 802.1Q (VLAN tagging)  Connector(s)  Connector Type(s)  External Ports  1 - PCI Express x8 Male External Ports  1 - Fiber Optic LC Duplex Female  Software  OS Compatibility  Windows 97, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.6.24 to 4.4.x LTS Versions only  Environmental  Humidity  20% ~ 80% RH  Operating Temperature  5°C to 50°C (41°F to 122°F) Storage Temperature  -20°C to 60°C (-4°F to 140°F)  Physical Characteristics  Product Height  4.7 in [120 mm]  Product Weight  4.1 oz [116 g]  Product Weight  4.1 oz [116 g]  Product Width  0.7 in [18 mm]  Packaging Information  What's in the Box  Included in Package  1 - 10G SFP+ fiber network card  1 - 10G SFP+ transceiver module  1 - 10w-profile bracket	Performance	Compatible Networks	10 Gbps
Maximum Data Transfer Rate Promiscuous Mode Yes  Supported Protocols  IEEE 802.3ad (Link Aggregation) IEEE 802.3x (Flow Control Support) IEEE 802.1x (Flow C		Full Duplex Support	Yes
Promiscuous Mode  Supported Protocols  IEEE 802.3ad (Link Aggregation) IEEE 802.3x (Flow Control Support) IEEE 802.1x (Flow Control Support) IEEE 802.1Q (VLAN tagging)  Connector(s)  Connector Type(s)  External Ports  1 - PCI Express x8 Male  External Ports  1 - Fiber Optic LC Duplex Female  Software  OS Compatibility  Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.6.24 to 4.4.x LTS Versions only  Environmental  Humidity  Operating Temperature  5°C to 50°C (41°F to 122°F) Storage Temperature  -20°C to 60°C (-4°F to 140°F)  Physical Characteristics  Product Height  4.7 in [120 mm] Product Length  5.3 in [135 mm] Product Weight  4.1 oz [116 g] Product Width  0.7 in [18 mm]  Packaging Information  What's in the Box  Included in Package  1 - 10G SFP+ fiber network card  1 - 10GBase-SR SFP+ transceiver module  1 - low-profile bracket		Jumbo Frame Support	15K max.
Supported Protocols  IEEE 802.3ad (Link Aggregation) IEEE 802.3x (Flow Control Support) IEEE 802.1Q (VLAN tagging)  Connector(s)  Connector Type(s)  External Ports  1 - PCI Express x8 Male  External Ports  1 - Fiber Optic LC Duplex Female  Software  OS Compatibility  Windows 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.6.24 to 4.4.x LTS Versions only  Environmental  Humidity  20% ~ 80% RH  Operating Temperature  5°C to 50°C (41°F to 122°F)  Storage Temperature  -20°C to 60°C (-4°F to 140°F)  Physical Characteristics  Product Height  4.7 in [120 mm]  Product Length  5.3 in [135 mm]  Product Weight  4.1 oz [116 g]  Product Width  0.7 in [18 mm]  Packaging Information  What's in the Box  Included in Package  1 - 10G SFP+ fiber network card  1 - 10GBase-SR SFP+ transceiver module  1 - low-profile bracket		Maximum Data Transfer Rate	20000 Mbps (20 Gbps) - Full-Duplex
IEEE 802.3x (Flow Control Support)   IEEE 802.1Q (VLAN tagging)		Promiscuous Mode	Yes
External Ports 1 - Fiber Optic LC Duplex Female  OS Compatibility Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.6.24 to 4.4.x LTS Versions only  Environmental Humidity 20% ~ 80% RH Operating Temperature 5°C to 50°C (41°F to 122°F) Storage Temperature -20°C to 60°C (-4°F to 140°F)  Physical Color Black  Product Height 4.7 in [120 mm] Product Length 5.3 in [135 mm] Product Weight 4.1 oz [116 g] Product Width 0.7 in [18 mm]  Packaging Information  What's in the Box Included in Package 1 - 10G SFP+ fiber network card 1 - 10GBase-SR SFP+ transceiver module 1 - low-profile bracket		Supported Protocols	IEEE 802.3x (Flow Control Support)
Software  OS Compatibility  Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.6.24 to 4.4.x LTS Versions only  Environmental  Humidity  Operating Temperature  S°C to 50°C (41°F to 122°F) Storage Temperature  -20°C to 60°C (-4°F to 140°F)  Physical Characteristics  Product Height  4.7 in [120 mm] Product Length  Product Weight  4.1 oz [116 g] Product Width  0.7 in [18 mm]  Packaging Information  What's in the Box  Included in Package  1 - 10G SFP+ fiber network card  1 - 10GBase-SR SFP+ transceiver module  1 - 10w-profile bracket	Connector(s)	Connector Type(s)	1 - PCI Express x8 Male
Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.6.24 to 4.4.x LTS Versions only  Environmental  Humidity  20% ~ 80% RH  Operating Temperature  5°C to 50°C (41°F to 122°F)  Storage Temperature  -20°C to 60°C (-4°F to 140°F)  Physical Characteristics  Product Height  4.7 in [120 mm]  Product Length  5.3 in [135 mm]  Product Weight  4.1 oz [116 g]  Product Width  0.7 in [18 mm]  Packaging Information  What's in the Box  Included in Package  1 - 10G SFP+ fiber network card  1 - 10GBase-SR SFP+ transceiver module  1 - low-profile bracket		External Ports	1 - Fiber Optic LC Duplex Female
Operating Temperature Soc to 50°C (41°F to 122°F) Storage Temperature -20°C to 60°C (-4°F to 140°F)  Physical Characteristics  Product Height 4.7 in [120 mm] Product Length Product Weight 4.1 oz [116 g] Product Width 0.7 in [18 mm]  Packaging Information  Physical Color  Black  4.7 in [120 mm] 5.3 in [135 mm]  Product Weight 4.1 oz [116 g] 6.8 oz [194 g]  Included in Package) Weight 1 - 10G SFP+ fiber network card 1 - 10GBase-SR SFP+ transceiver module 1 - low-profile bracket	Software	OS Compatibility	Windows Server® 2008 R2, 2012, 2012 R2, 2016
Storage Temperature -20°C to 60°C (-4°F to 140°F)  Physical Characteristics  Product Height 4.7 in [120 mm]  Product Length 5.3 in [135 mm]  Product Weight 4.1 oz [116 g]  Product Width 0.7 in [18 mm]  Packaging Information  Phackage Weight 1 - 10G SFP+ fiber network card 1 - 10GBase-SR SFP+ transceiver module 1 - low-profile bracket	Environmental	Humidity	20% ~ 80% RH
Physical Characteristics  Product Height 4.7 in [120 mm] Product Length 5.3 in [135 mm] Product Weight 4.1 oz [116 g] Product Width 0.7 in [18 mm]  Packaging Information  What's in the Box Included in Package 1 - 10G SFP+ fiber network card 1 - 10GBase-SR SFP+ transceiver module 1 - low-profile bracket		Operating Temperature	5°C to 50°C (41°F to 122°F)
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Product Length Product Weight Product Width Product Width  O.7 in [18 mm]  Packaging Information  Shipping (Package) Weight  1 - 10G SFP+ fiber network card 1 - 10GBase-SR SFP+ transceiver module 1 - low-profile bracket	Physical Characteristics	Color	Black
Product Weight Product Width  O.7 in [18 mm]  Shipping (Package) Weight  Fackaging Information  Included in Package  1 - 10G SFP+ fiber network card  1 - 10GBase-SR SFP+ transceiver module  1 - low-profile bracket		Product Height	4.7 in [120 mm]
Packaging Shipping (Package) Weight 6.8 oz [194 g]  What's in the Box Included in Package 1 - 10G SFP+ fiber network card 1 - 10GBase-SR SFP+ transceiver module 1 - low-profile bracket		Product Length	5.3 in [135 mm]
Packaging Information  Shipping (Package) Weight  6.8 oz [194 g]  1 - 10G SFP+ fiber network card  1 - 10GBase-SR SFP+ transceiver module  1 - low-profile bracket		Product Weight	4.1 oz [116 g]
Information  What's in the Box Included in Package 1 - 10G SFP+ fiber network card  1 - 10GBase-SR SFP+ transceiver module  1 - low-profile bracket		Product Width	0.7 in [18 mm]
1 - 10GBase-SR SFP+ transceiver module 1 - low-profile bracket	Packaging Information	Shipping (Package) Weight	6.8 oz [194 g]
1 - low-profile bracket	What's in the Box	Included in Package	1 - 10G SFP+ fiber network card
			1 - 10GBase-SR SFP+ transceiver module
1 - quick-start guide			1 - low-profile bracket
			1 - quick-start guide





Product appearance and specifications are subject to change without notice.