Get fast, high-bandwidth connectivity with this cost-effective fiber network card. It adds two open SFP+ slots to your server or high-powered workstation, giving you an easy way to connect your server or workstation to a 10 Gigabit fiber network using the SFP+ modules of your choice.

**Transfer files at faster speeds**

Large file transfers, multimedia content and increased numbers of network users create constant pressures for more bandwidth in your network infrastructure. This fiber NIC lets you harness the speed and stability of a 10 Gigabit network. The NIC supports data transfers at up to 10Gbps per port, or up to 20Gbps per port in full-duplex mode.

**Add scalable network connections to your server or workstation**

The fiber NIC is compatible with most 10GbE SFP+ transceivers, giving you flexible configuration options to connect your computer directly to a fiber network at greater distances.
The card features two open SFP+ slots with support for interchangeable SFP+ modules, including the StarTech.com 10GBase-SR SFP+ Fiber Transceiver Module (SKU: SFP10GSRST). This gives you the option to use the modules that best suit your network needs based on distance and connector type. StarTech.com provide a dependable solution for linking telecom and data communications equipment, such as routers and switches.

**Enhance your network capabilities**

The 10 Gigabit network card features the Intel® 82599 chipset, designed to deliver 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 PEX20000SFPI is backed by a StarTech.com 2-year warranty and free lifetime technical support.
Applications

- Add 10Gbps network connectivity to file or application servers and high-performance workstations
- Transmit full 10 Gigabit network speeds to a remote terminal over longer distances than copper cabling
- Supports secure setups - a direct fiber connection means no electronic interference, which can be a problem with RJ45 network cards
- Upgrade your onboard network adapter to 10 Gigabit SFP+, for faster communication
- Create a video / audio editing console with 10Gbps access to network storage
- Ideal for remote embedded industrial monitoring systems, and high-speed video surveillance

Features

- Add two 10GbE SPF+ slots to server or workstation for fast, high bandwidth connectivity
- Intel 82599 chipset with Intel® Virtualization Technology for connectivity
- Up to 20Gbps (full duplex) bandwidth per port
- PXE network boot support
- Compliant with IEEE 802.3ae (10GBASE-LR/SR only) and IEEE 802.3aq (10GBASE-LRM)
- Compliant with PCI Express Rev 2.0 specification, using PCIe x8 (or higher) slot
- Supports IEEE 802.1Q VLAN tagging
- Support for 802.3ad Link Aggregation
- Up to 15K jumbo frame support
- Dual profile (LP bracket included)
<table>
<thead>
<tr>
<th><strong>Hardware</strong></th>
<th>Warranty: 2 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bus Type</strong></td>
<td>PCI Express</td>
</tr>
<tr>
<td><strong>Card Type</strong></td>
<td>Standard Profile (LP bracket incl.)</td>
</tr>
<tr>
<td><strong>Chipset ID</strong></td>
<td>Intel - 82599</td>
</tr>
<tr>
<td><strong>Industry Standards</strong></td>
<td>IEEE 802.3ae (10GBASE-LR/SR only), IEEE 802.3aq (10GBASE-LRM) PCI Express Rev 2.0, using PCIe x8 (or higher) slot</td>
</tr>
<tr>
<td><strong>Interface</strong></td>
<td>Fiber (10 Gigabit Ethernet)</td>
</tr>
<tr>
<td><strong>Ports</strong></td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Performance</strong></th>
<th><strong>Compatible Networks</strong>: 10 Gbps</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Full Duplex Support</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Jumbo Frame Support</strong></td>
<td>9K max.</td>
</tr>
<tr>
<td><strong>Maximum Data Transfer Rate</strong></td>
<td>20000 Mbps (20 Gbps) - Full-Duplex</td>
</tr>
<tr>
<td><strong>Promiscuous Mode</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Supported Protocols</strong></td>
<td>IEEE 802.3ad (Link Aggregation) IEEE 802.3x (2005 Flow Control Support) IEEE 802.1Q (VLAN tagging)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Connector(s)</strong></th>
<th><strong>Connector Type(s)</strong>: 1 - PCI Express x8 Male</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Internal Ports</strong></td>
<td>2 - SFP+ Slot Female</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Software</strong></th>
<th><strong>OS Compatibility</strong>: Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016, 2019 (Windows Drivers are supported in 64-bit only) Linux 2.6.24 to 4.11.x LTS Versions only</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Environmental</strong></th>
<th><strong>Humidity</strong>: 20% ~ 80% RH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>5°C to 50°C (41°F to 122°F)</td>
</tr>
<tr>
<td><strong>Storage Temperature</strong></td>
<td>-20°C to 60°C (-4°F to 140°F)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Physical Characteristics</strong></th>
<th><strong>Color</strong>: Black</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Height</strong></td>
<td>4.7 in [12 cm]</td>
</tr>
<tr>
<td><strong>Product Length</strong></td>
<td>5.3 in [13.5 cm]</td>
</tr>
<tr>
<td><strong>Product Width</strong></td>
<td>0.7 in [18 mm]</td>
</tr>
<tr>
<td><strong>Weight of Product</strong></td>
<td>3.6 oz [102 g]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Packaging Information</strong></th>
<th><strong>Package Height</strong>: 1.2 in [30 mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Package Length</strong></td>
<td>6.7 in [17 cm]</td>
</tr>
<tr>
<td>What's in the Box</td>
<td>Included in Package</td>
</tr>
<tr>
<td>------------------------</td>
<td>----------------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td>1 - PCIe 10GBase Fiber Card</td>
</tr>
<tr>
<td></td>
<td>1 - Low-profile bracket</td>
</tr>
<tr>
<td></td>
<td>1 - Quick install guide</td>
</tr>
</tbody>
</table>

Package Width: 5.6 in [14.3 cm]
Shipping (Package) Weight: 6.3 oz [178 g]

Product appearance and specifications are subject to change without notice.