# N-TGE-SFP-01

## 10 Gigabit Ethernet Fiber Network Interface Card

### 10GBase-SR/LR SFP+

The N-TGE-SFP-01 is a 2-port PCIe bus fiber NIC that supports a 1Gbps/10Gbps link. The open SFP slots can be used with 1000Base-X SFPs or 10GBase-SR/LR SFP+ modules. The NIC fully complies with IEEE 802.3ae and IEEE 802.3z standards. It provides up to 20 Gbps full-duplex bandwidth capacity to support high-end servers. It is suitable for data center, SMB and Cloud computing applications. Two LED indicators (LINK and ACT) on the bracket will help to oversee the board link and activity status.
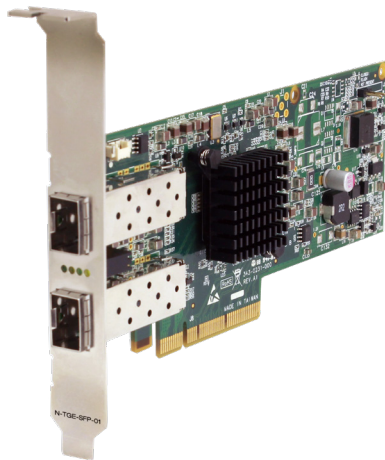
### Ordering Information

**N-TGE-SFP-01**
   PCIe bus fiber NIC with 2 open
   1000Base-X/10GBase-SR/LR SFP+ slots

**Optional Accessories (sold separately)**

**SFP or SFP+ Modules**

## Features

- High bandwidth 10Gbps network speed
- Supports IEEE 802.3x Full-Duplex flow control
- IPv6 Capable
- Compliant with PCIe 2.0x4 interface
- Supports Jumbo Frame up to 10K bytes
- Supported transmission distance based on the SFP/SFP+ modules and fiber type used
- Supports IEEE 802.3ad Link Aggregation (LACP)
- Supports on-board screening of VLAN tagged Ethernet frames
- RoHS compliance
- Supports gPXE
- Standard bracket attached, low-profile bracket included

## Specifications

| | |
|---|---|
| Standards | IEEE 802.3ae<br>IEEE 802.3z<br>IEEE 802.3x<br>IEEE 802.3 ad<br>IEEE 802.1Q<br>IEEE 802.1P |
| Bus Slot | PCIe 2.0 x8 |
| Cable | Fiber (multimode): 50/125,62.5/125μm<br>Fiber (single mode): 9/125μm |
| Data Rate | 10 Gbps: 14,880,000 pps<br>1 Gbps: 1,190,476 pps |
| Status LEDs | LINK/ACT (Link/Activity):<br>ON = Communication link;<br>Flashing=activity on link |
| Software Support | Windows 2003, 2003 R2, 2008<br>Windows 7<br>RHEL v5.0<br>XenServer 5.6.0<br>VMware ESXi 4.0 |
| Dimensions | Width: 2.2" [56 mm]<br>Depth: 6.5" [165 mm]<br>Height: 0.9" [23 mm] |
| Power Consumption | 7.5 Watts (max) |
| Environment | Operating: 0°C to 40°C<br>Humidity: 5% to 90% (non-condensing)<br>Altitude: 0 – 10,000 ft. |
| Weight | 1 lb. [0.45 kg] |
| Compliance | FCC Part 15 Class B, CE Mark |
| Warranty | Lifetime |

**Network Adapters**