# TGE-1200

**Fiber NIC**

## TGE-1200:

PCI Express Bus 2-Port 10GBase-SR/LR SFP+ Fiber NIC

### Key Features

- High bandwidth 10Gbps Network Speed
- Supports IEEE 802.3x Full-Duplex Flow Control
- Compliant with PCIe 2.0 Interface
- Supports Jumbo Frame up to 10Kbytes
- Supports gPXE
- Supports IEEE 802.3ad Link Aggregation (LACP)
- Supports on-board screening of VLAN tagged Ethernet frames
- RoHS Compliance

### Overview

TGE-1200 is a PCIe bus 2-Port 10GBase-SR/LR SFP+ fiber NIC that fully complies with IEEE 802.3ae standards. It provides up to 20Gbps 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 activities status.

### Technical Specifications

- **Standard compliance**
  - ---IEEE 802.3ae 10GBase-SR/LR
  - ---IEEE 802.3x Full-Duplex with NWay Flow Control
  - ---IEEE 802.3ad LACP
  - ---IEEE 802.1Q VLANs
  - ---IEEE 802.1p priority
- **Data Transfer Rate**
  - ---10Gbps:14,880,000 pps
- **Connector**
  - ---SFP+: 10Gbps
- **Cable**
  - ---Fiber (M-M): 50/125,62.5/125μm
  - ---Fiber (S-M): 9/125μm
- **Support OS**
  - ---Windows server 2003
  - ---Windows server 2008
  - ---RHEL v5.0
  - ---XenServer 5.6.0
  - ---VMware ESXi 4.0
- **LED Indicator Description**

| LED | Color | Function |
|-----|-------|----------|
| LINK | Green | Lit when link up |
| | | Off when link down |
| ACT | Amber | Blink when traffic is present |
| | | Off when no traffic |

- **Network Interface**

| Category | Connector | Transmission | Max. Cable Length | Wavelength |
|----------|-----------|--------------|-------------------|------------|
| 10G-SR (M-M) | SFP+ | Full Duplex | 300m 50/125μm | 850nm |
| 10G-LR (S-M) | SFP+ | Full Duplex | 10Km 9/125μm | 1310nm or 1550nm |

**• Hardware Specifications**

| Feature | Detailed Description |
|---|---|
| PCIe Input | 12VDC, 3.3VDC |
| Operating Temperature | 0 to 40℃ |
| Humidity | 5% to 90% |
| Dimensions | 168(L)x64(H) mm |
| Weight | 0.07kg |
| Safety | Comply with FCC Part 15 Class B & CE Mark Approval |

## *Packing Information*

| Carton Dimensions (mm) | pcs/Carton | N.W (KG) | G.W (KG) |
|---|---|---|---|
| 530x512x345 | 60 | 10.8 | 11.8 |

## *Ordering Information*

| TGE-1200 | PCI Express Bus 2-Port 10GBase-SR/LR SFP+ Fiber NIC |
|---|---|

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