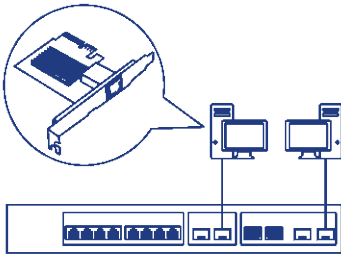# TRENDnet®



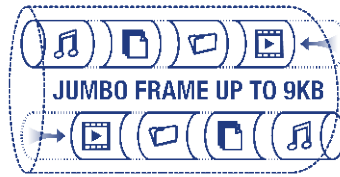# 10 Gigabit PCIe Network Adapter

TEG-10GECTX (v2.0R)

- Converts a PCIe slot into a 10G Ethernet Port
- Supports 802.1Q VLAN Tagging
- Includes standard and low-profile brackets
- Windows® support
- IEEE 802.3an and 802.3bz compliant

TRENDnet's 10 Gigabit PCIe Network Adapter, model TEG-10GECTX, converts a free PCI Express slot into a 10 Gigabit Ethernet port. The 10G PCIe adapter includes advanced features such as jumbo frame and VLAN tagging support. The included standard and low profile brackets are compatible with Windows® desktop computer designs.
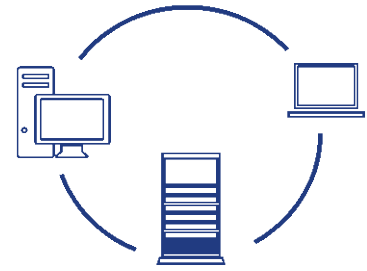
### 10G Port
10G PCIe adapter supports five speeds: 10Gbps, 5Gbps, 2.5Gbps, 1Gbps, and 100Mbps.

**JUMBO FRAME UP TO 9KB**
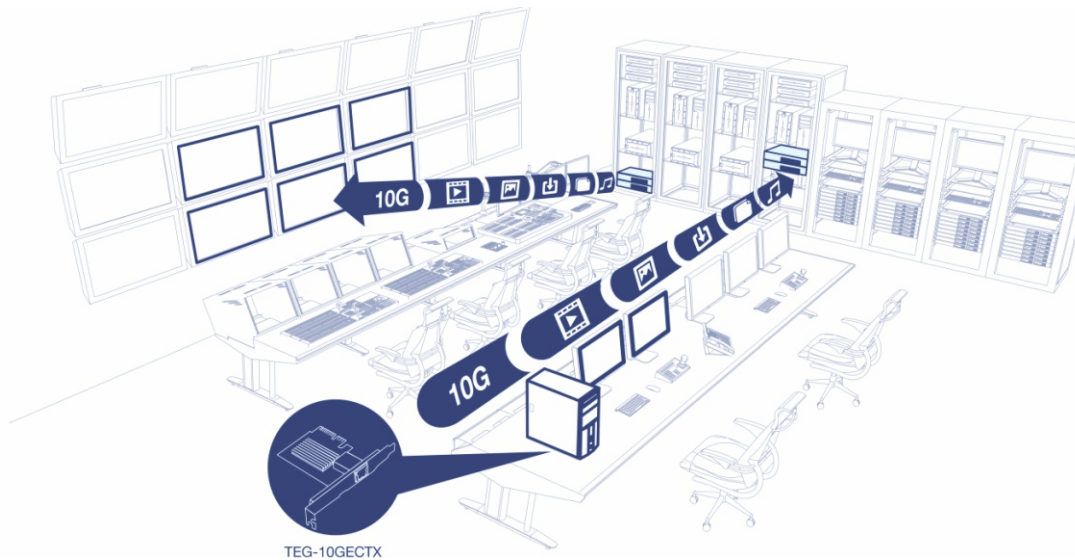
### Jumbo Frame
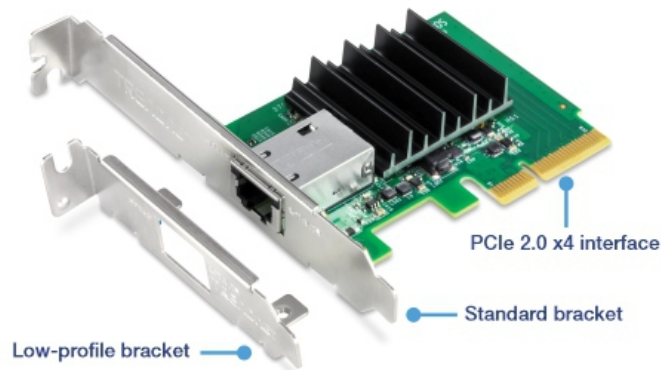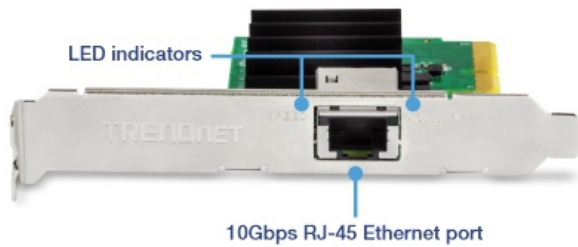Sends larger packets, or jumbo frames (up to 9KB), for increased performance.

### Operating Systems
Compatible with Windows and Windows Server operating systems.

## NETWORKING SOLUTION



TEG-10GECTX



LED indicators

10Gbps RJ-45 Ethernet port

PCIe 2.0 x4 interface

Standard bracket

Low-profile bracket

# FEATURES

**10G Port**
10G PCIe adapter supports five speeds: 10Gbps, 5Gbps, 2.5Gbps, 1Gbps, and 100Mbps

**PCI Express**
Converts a PCIe 3.0 x4 slot into a 10G Ethernet Port

**2.5/5GBASE-T Support**
2.5/5GBASE-T specification (802.3bz) supports 2.5G and 5G speeds over standard Cat5e cables at distances up to 100m

**Jumbo Frame**
Sends larger packets, or jumbo frames (up to 9KB), for increased performance

**VLAN Support**
IEEE 802.1Q tagged-based VLAN support

**Brackets**
Supports most installations with included standard and low-profile brackets

**Operating Systems**
Compatible with Windows and Windows Server operating systems

**LED Indicators**
LED indicators convey port status, link speed and activity

# SPECIFICATIONS

**Standards**
- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3bz 2.5G/5GBASE-T
- IEEE 802.3an 10GBASE-T
- IEEE 802.3ad
- IEEE 802.1Q

**Hardware Interface**
- PCIe 3.0 x4 interface
- 1 x 10Gbps RJ-45 Ethernet port (Supported Speeds: 10Gbps / 5Gbps / 2.5Gbps / 1Gbps / 100Mbps)
- LED indicators

**Cable Requirements**
- 10GBASE-T (10Gbps): Cat6 twisted pair @ 55m / 180 ft. (max.) / Cat6A or Cat7 twisted pair @ 100 m / 328 ft. (max.)
- 5GBASE-T (5Gbps): Cat6 twisted pair @ 100m / 328 ft. (max.)
- 2.5GBASE-T (2.5Gbps): Cat5e twisted pair @ 100m / 328 ft. (max.)
- 1000BASE-T (1Gbps): Cat5e twisted pair @ 100m / 328 ft. (max.)
- 100BASE-TX (100Mbps): Cat5 twisted pair @ 100m / 328 ft. (max.)

**Compatibility**
- Windows® 10, 8.1, 7
- Windows® Server 2016, 2012, 2012 R2, 2008 R2
- VMware® ESXi™ 5.1/5.5/6.5
- Microsoft® Hyper-V

**Jumbo Frames**
- Up to 9KB

**Special Features**
- 10GBASE-T (10Gbps) & 2.5G/5GBASE-T (2.5Gbps/5Gbps) support for high speed network connectivity
- Windows Server support
- VMware® ESXi™ 5.1/5.5/6.5 & Microsoft® Hyper-V hypervisor support for virtualization

**Additional Support**
- 802.3ad LACP NIC teaming
- 802.1Q VLAN Tagging
- Microsoft Scalable Networking
- Receive-side scaling (RSS)
- Message Signaled Interrupts (MSI)
- IP, TCP, and UDP checksum offloading
- Minimize overhead with reduced host bus traffic and CPU utilization

**Power**
- Max. consumption: 6.1W

**Operating Temperature**
- 0° – 70° C (32° – 158° F)

**Operating Humidity**
- Max. 90% non-condensing

**Certifications**
- CE
- FCC

**Dimensions**
- 84 x 63 x 18mm (3.3 x 2.5 x 0.7 in.)

**Weight**
- 62g (2.2 oz.)

**Warranty**
- 3 year

**Package Contents**
- TEG-10GECTX
- Quick Installation Guide
- CD-ROM (Driver)
- Standard & low-profile brackets

Updated: 7/24/2019