

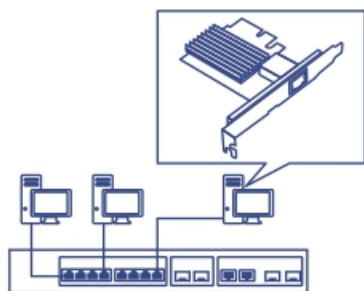


10 Gigabit PCIe Network Adapter

TEG-10GECTX (v1.0R)

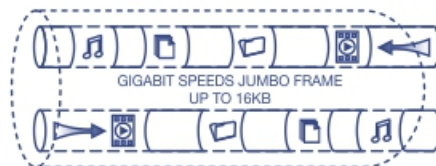
- Converts a PCIe slot into a 10 G Ethernet Port
- Supports 802.1Q VLAN Tagging
- Includes standard and low-profile brackets
- Windows® and Linux® support

TRENDnet's 10 Gigabit PCIe Network Adapter, model TEG-10GECTX, converts a free PCI Express slot into a 10 Gigabit Ethernet port.



10 G Port

Supports five selectable speeds: 10 Gbps, 5 Gbps, 2.5 Gbps, 1 Gbps, and 100 Mbps



Jumbo Frame

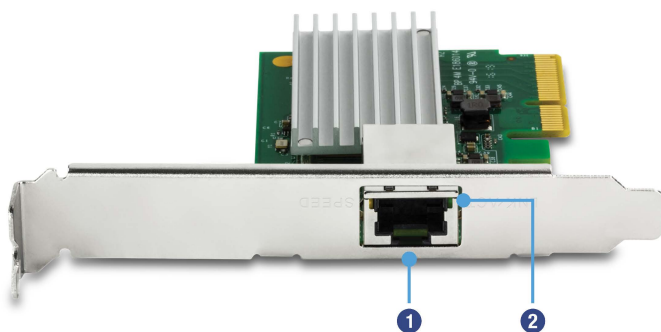
Sends larger packets, or jumbo frames (up to 16 KB), for increased performance



Operating Systems

Compatible with Windows®, Windows Server®, and Linux® operating systems

Networking Solution



- ① 10 Gbps RJ-45 Ethernet port
- ② LED indicator



- ③ Standard and low profile brackets
- ④ PCIe 2.0 x4 interface



10 G Port

Supports five selectable speeds: 10 Gbps, 5 Gbps, 2.5 Gbps, 1 Gbps, and 100 Mbps



PCI Express

Converts a PCIe 2.0 x4 slot into a 10 G Ethernet Port



NBASE-T™ Ethernet Technology

NBASE-T draft specification supports 2.5 and 5 Gbps speeds over standard Cat 5e cables at distances up to 100 m



Jumbo Frame

Sends larger packets, or jumbo frames (up to 16 KB), 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®, Windows Server®, and Linux® operating systems.



LED Indicators

LED indicators convey port status, link speed and activity

Specifications

Standards

- IEEE 802.3u
- IEEE 802.3ab
- IEEE 802.3an
- IEEE 802.3ad
- IEEE 802.1Q

Hardware Interface

- PCIe 2.0 x4 interface
- 1 x 10 Gbps RJ-45 Ethernet port (Supported Speeds: 10 Gbps / 5 Gbps / 2.5 Gbps / 1 Gbps / 100 Mbps)
- LED indicator
- Standard and low profile brackets

Minimum Cable Requirements

- 10GBASE-T (10 Gbps): Cat 6 twisted pair @ 55 m / 180 ft. (max.) / Cat 6a or Cat 7 twisted pair @ 100 m / 328 ft. (max.)
- NBASE-T™ (5 Gbps): Cat 6 twisted pair @ 100 m / 328 ft. (max.)
- NBASE-T™ (2.5 Gbps): Cat 5e twisted pair @ 100 m / 328 ft. (max.)
- 1000BASE-T (1 Gbps): Cat 5e twisted pair @ 100 m / 328 ft. (max.)
- 100BASE-TX (100 Mbps): Cat 5 twisted pair @ 100 m / 328 ft. (max.)

Compatibility

- Windows® 10, 8.1, 8, 7
- Windows® Server 2012, 2012 R2, 2008, 2008 R2
- Linux® 2.6.x, 3.x.x, 4.6.x or later
- VMware® ESXi™ 5.x/6.x & Microsoft® Hyper-V

Jumbo Frames

- Up to 16 KB

Special Features

- 10GBASE-T (10 Gbps) & NBASE-T (5 Gbps / 2.5 Gbps) support for high speed network connectivity
- Windows Server support

- VMware® ESXi™ 5.x/6.x & 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

- Consumption: 4.12 W max.

Operating Temperature

- 0 - 50 °C (32 - 122 °F)

Operating Humidity

- Max. 95 % non-condensing

Certifications

- CE
- FCC

Dimensions

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

Weight

- 62 g (2.2 oz.)

Warranty

- 3-year warranty

Package Contents

- TEG-10GECTX
- Quick Installation Guide
- CD-ROM (Driver & User's Guide)
- Standard & low profile brackets

