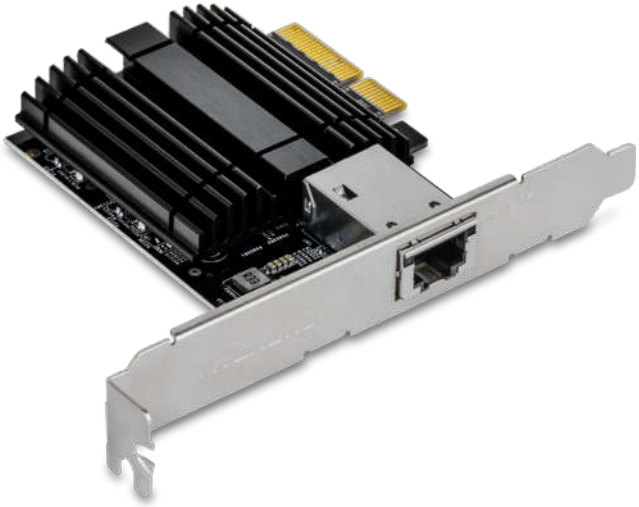
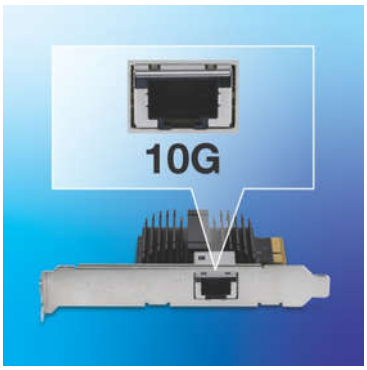


10G PCIe Network Adapter

TEG-10GECTX (v4.xR)

- Converts a PCIe 3.0 x4 slot into a 10G Ethernet port
- Supports connection speeds of 10Gbps, 2.5Gbps, and 1Gbps
- Supports 802.1Q VLAN Tagging
- Includes standard and low-profile brackets
- Windows® and Windows Server® support
- IEEE 802.3an and 802.3bz compliant

TRENDnet's 10G PCIe Network Adapter, model TEG-10GECTX, converts a free PCI Express slot into a 10 Gigabit Ethernet port. The 10G PCIe card includes advanced features, such as jumbo frames and VLAN tagging support. The standard and low-profile brackets included with the 10G PCIe card are compatible with Windows® and Windows Server® desktop computer designs.



10G Port

10G PCIe card supports connection speeds: 10Gbps, 2.5Gbps, and 1Gbps.



Jumbo Frames

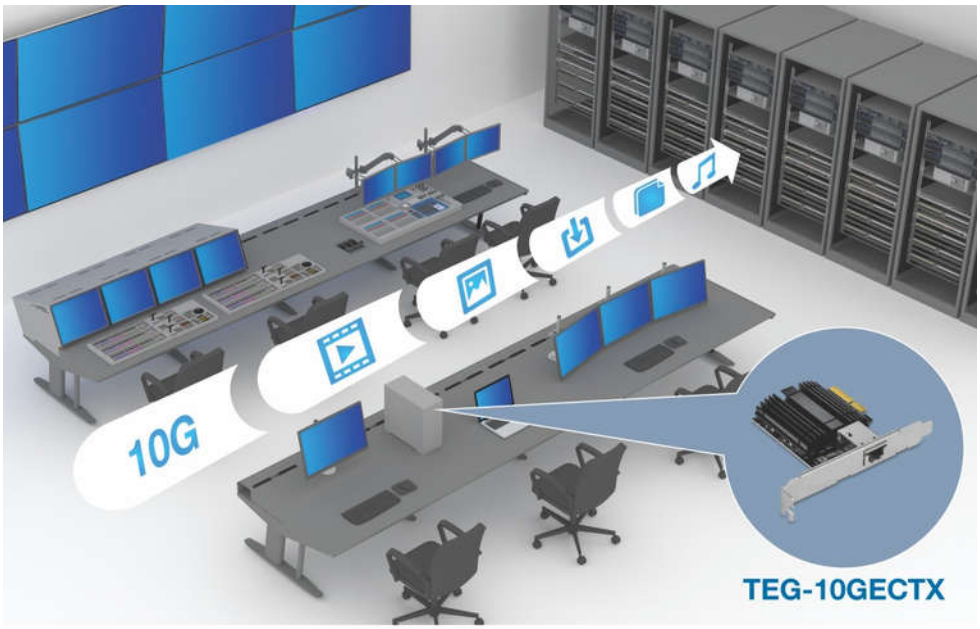
Sends larger packets, or jumbo frames (up to 16KB), for increased performance.

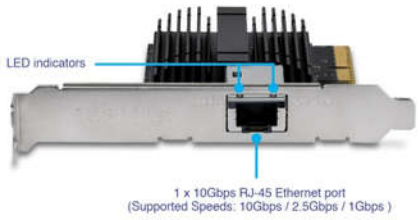


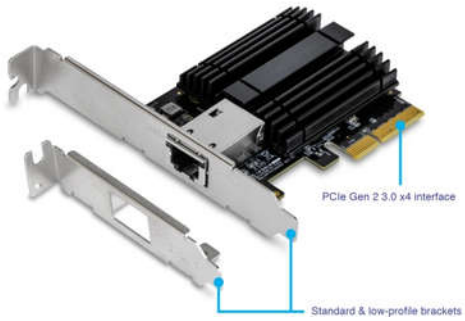
Operating Systems

Compatible with Windows® and Windows Server® operating systems.

NETWORKING SOLUTION







FEATURES

10G Port

10G PCIe card supports connection speeds: 10Gbps, 2.5Gbps, and 1Gbps

PCI Express

10GbE PCIe card converts a PCIe 3.0 x4 slot into a 10G Ethernet Port

2.5GBASE-T Support

2.5GBASE-T specification (802.3bz) supports 2.5Gbps speeds over standard Cat5e cables at distances up to 100m

Jumbo Frame

Sends larger packets, or jumbo frames (up to 16KB), 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 on the 10G PCIe card convey port status, link speed and activity

SPECIFICATIONS

Standards

- IEEE 802.3ab
- IEEE 802.3bz 2.5GBASE-T
- IEEE 802.3an 10GBASE-T
- IEEE 802.1Q
- IEEE 802.3ad

Hardware Interface

- PCIe Gen 2 3.0 x4 interface
- 1 x 10Gbps RJ-45 Ethernet port (Supported Speeds: 10Gbps / 2.5Gbps / 1Gbps)
- LED indicators

Cable Requirements

- 10GBASE-T (10Gbps): Cat6 twisted pair @ 55m / 180 ft. (max.) / Cat6A 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.)

Compatibility

- Windows® 11, 10, 8.1
- Windows® Server 2022, 2019, 2016, 2012 R2

Jumbo Frames

- Up to 16KB

Special Features

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

Additional Support

- 802.1Q VLAN Tagging
- 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

- 120 x 63 x 17mm (4.7 x 2.5 x 0.7 in.)

Weight

- 76g (2.6 oz.)

Warranty

- 3 year

Package Contents

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

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

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