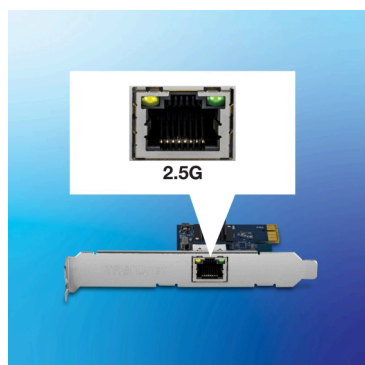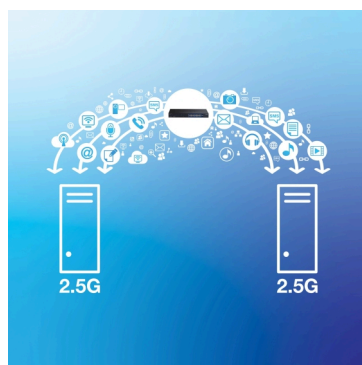# 2.5GBASE-T PCIe Network Adapter

TEG-25GECTX (v2.xR)

- Converts a PCIe slot into a 2.5G Ethernet port
- Supports 802.1Q VLAN Tagging
- Includes standard and low-profile brackets
- Windows® support
- Supports WPI (Wake Packet Indication) and LTR (Latency Tolerance Reporting)
- IEEE 802.3ab and 802.3bz compliant
- Supports up to 9KB jumbo frames
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's 2.5GBASE-T PCIe Network Adapter, model TEG-25GECTX, converts a free PCI Express slot into a 2.5GBASE-T Ethernet port. The 2.5G network adapter includes advanced features, such as jumbo frame and VLAN tagging support. It is compatible with Windows® desktop computer designs, and includes both standard and low-profile brackets..

2.5G Port

2.5G network adapter supports three speeds: 2.5Gbps, 1Gbps, and 100Mbps.

Jumbo Frame

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

Operating Systems

Compatible with Windows and Windows Server®

FEATURES

2.5G Port
2.5G network adapter supports three speeds: 2.5Gbps, 1Gbps, and 100Mbps.

PCI Express
Converts a PCIe 2.0 x1 slot into a 2.5G Ethernet port

2.5GBASE-T Support
2.5GBASE-T specification (802.3bz) supports 2.5G speeds over standard Cat5e cables at distances up to 100m (328 ft.)

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

VLAN Support
2.5G network adapter with IEEE 802.1Q tagged-based VLAN support

Brackets
Supports most installations with included standard and low-profile brackets
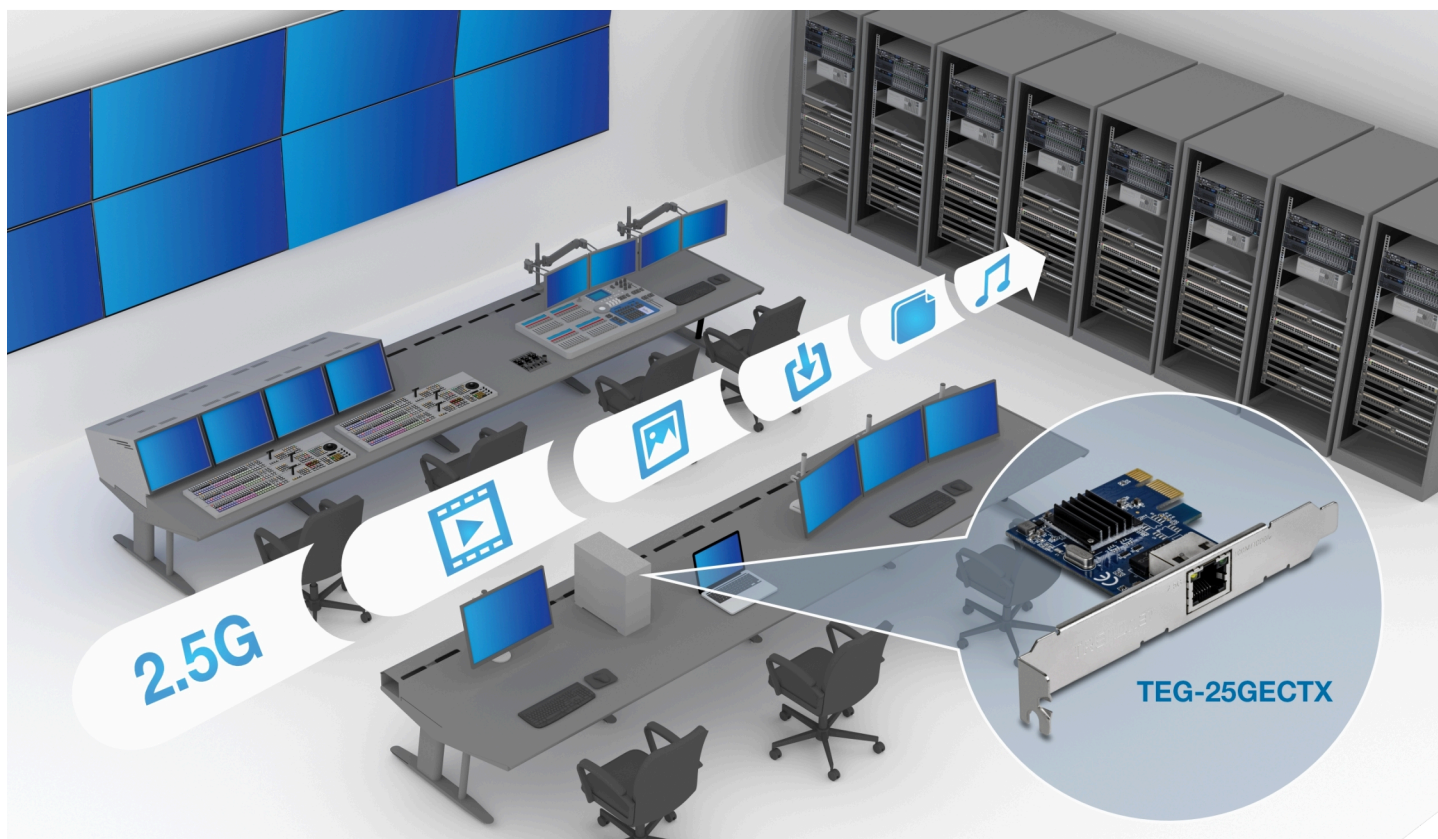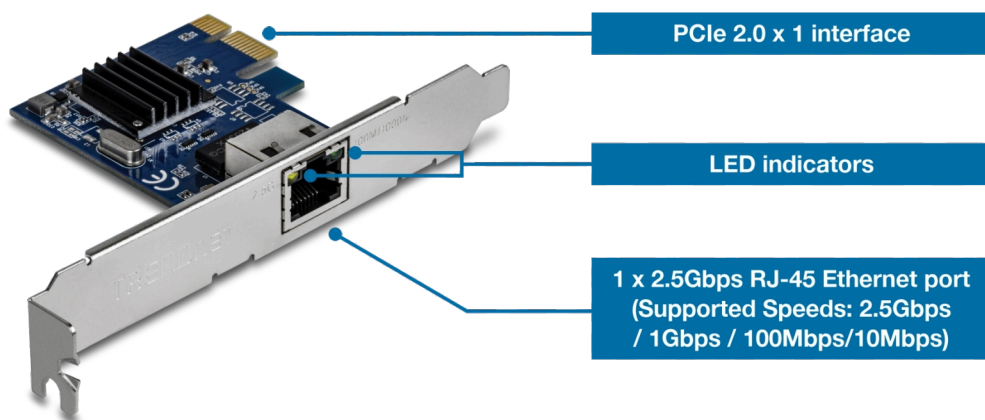
Operating Systems
Compatible with Windows, and Windows Server operating systems

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

NETWORKING SOLUTION

PCIe 2.0 x 1 interface

LED indicators

1 x 2.5Gbps RJ-45 Ethernet port
(Supported Speeds: 2.5Gbps
/ 1Gbps / 100Mbps/10Mbps)

2.5G

TEG-25GECTX

SPECIFICATIONS

Standards
• IEEE 802.3
• IEEE 802.3u
• IEEE 802.3x
• IEEE 802.3ab
• IEEE 802.3bz 2.5GBASE-T
• IEEE 802.1Q

Hardware Interface
• PCIe 2.0 x1 interface
• 1 x 2.5Gbps RJ-45 Ethernet port (Supported Speeds: 2.5Gbps / 1Gbps / 100Mbps/10Mbps)
• LED indicators

Minimum Cable Requirements
• 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® 11, 10, 8.1
• Windows® Server 2022, 2019, 2016, 2012

Jumbo Frames
• Up to 9KB

Additional Support
• 802.1Q VLAN Tagging
• LTR (Latency Tolerance Reporting)
• Microsoft WPI (Wake Packet Indication)
• Large Send (up to 64KB)
• IP, TCP, and UDP checksum offloading

• Advanced cable diagnostics

Power
• Max. consumption: 6.1W

Operating Temperature
• 0° – 40° C (32° – 104° F)

Operating Humidity
• Max. 90% non-condensing

Certifications
• CE
• FCC

Dimensions
• 84 x 64 x 18mm (3.3 x 2.5 x 0.7 in.)

Weight
• 42g (1.5 oz.)

Warranty
• 3- year

Package Contents
• TEG-25GECTX
• CD-ROM (Drivers)
• 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.