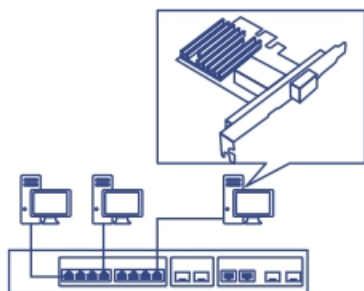# TRENDnet®

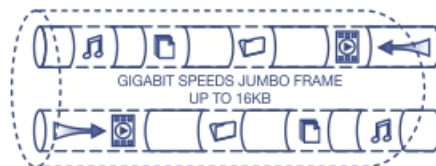# 10 Gigabit PCIe SFP+ Network Adapter

TEG-10GECSFP (v1.0R)

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

TRENDnet's 10 Gigabit PCIe SFP+ Network Adapter, model TEG-10GECSFP, converts a free PCI Express slot into a 10 Gigabit SFP+ slot. Advanced features include jumbo frame and VLAN tagging support. The included standard and low profile brackets are compatible with Windows® and Linux® desktop computer designs.

TRENDnet®

10G SFP+
Provides one SFP+ slot for high speed 10 Gigabit Ethernet connectivity.
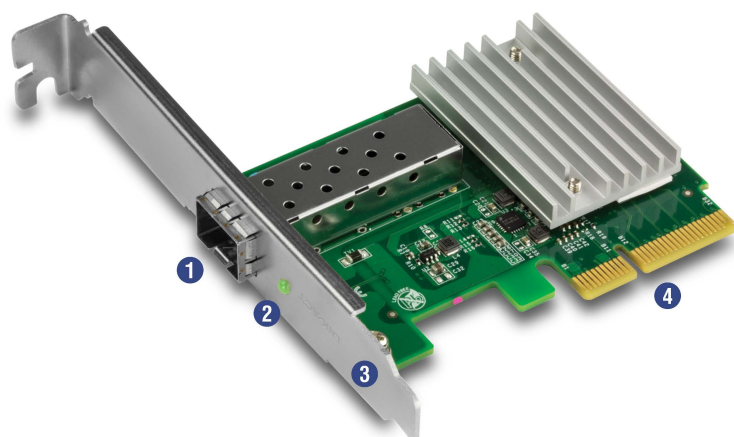
Jumbo Frame
Sends larger packets, or jumbo frames (up to 16 KB), for increased performance.

Operating Systems
Compatible with Windows®, Windows Server®, and Linux® operating systems.

Networking Solution

1. 10Gbps SFP+ slot
2. LED indicator
3. Standard and low profile brackets
4. PCIe 2.0 x4 interface

10G SFP+
Provides one SFP+ slot for high speed 10 Gigabit Ethernet connectivity

PCI Express
Converts a PCIe 2.0 x4 slot into a 10G SFP+ slot

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 Indicator
LED indicator conveys status activity

TRENDnET

Specifications

Standards
- IEEE 802.3ae
- IEEE 802.3ad
- IEEE 802.1Q

Hardware Interface
- PCIe 2.0 x4 interface
- 1 x 10Gbps SFP+ slot (SFP+ modules sold separately: TEG-10GBSR, TEG-10GBS10, TEG-10GBS40)
- LED indicator
- Standard and low profile brackets

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 & Hyper-V®

Jumbo Frames
- Up to 16 KB

Special Features
- 10G SFP+ for high speed network connectivity
- Compatible with standard 10G SFP+ modules and Direct Attach Copper (DAC) cables
- Windows Server support
- VMware® ESXi™ 5.x/6.x & 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. 90% non-condensing

Certifications
- CE
- FCC

Dimensions
- 87 x 63 x 18 mm (3.4 x 2.5 x 0.7 in.)

Weight
- 58 g (2 oz.)

Warranty
- 3 year

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

Updated: 5/18/2017