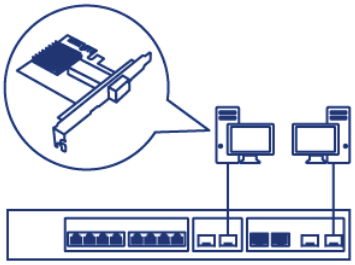


# 10 Gigabit PCIe SFP+ Network Adapter

TEG-10GECSFP (v3.0R)

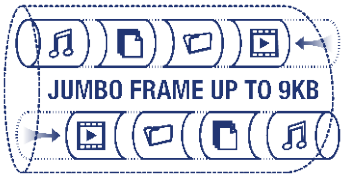
- Converts a PCIe slot into a 10G SFP+ Slot
- Supports 802.1Q VLAN Tagging
- Includes standard and low-profile brackets
- Windows® and Linux® support
- NDAA / TAA compliant (U.S. and Canada only)

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



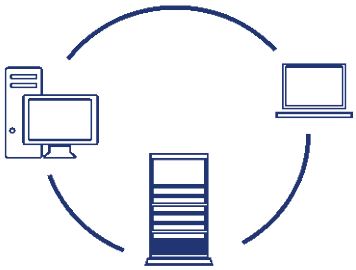
### 10G SFP+

10G SFP+ PCIe adapter provides one SFP+ slot for high speed 10 Gigabit fiber connectivity




### Jumbo Frame

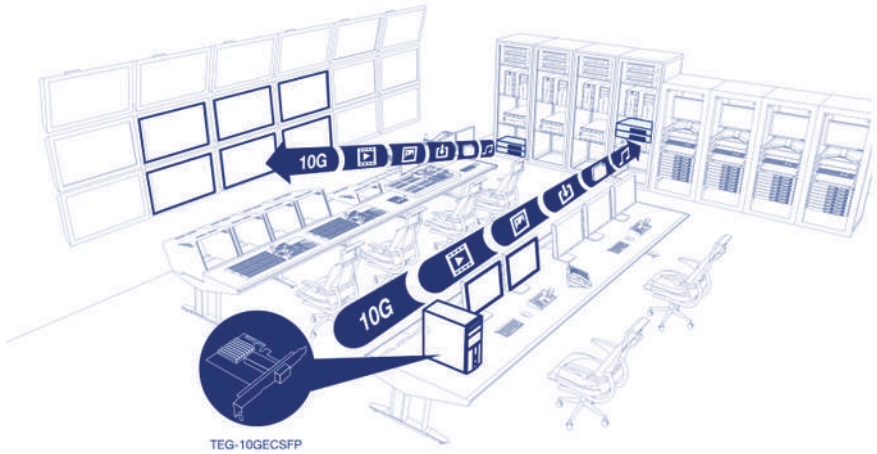
Sends larger packets, or jumbo frames (up to 16 KB), for increased performance

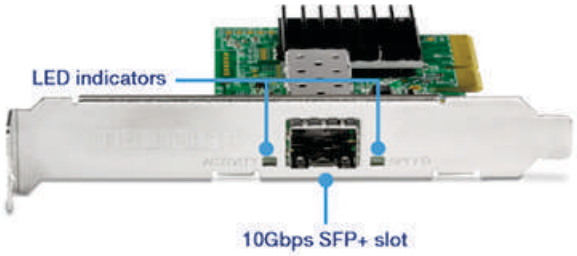


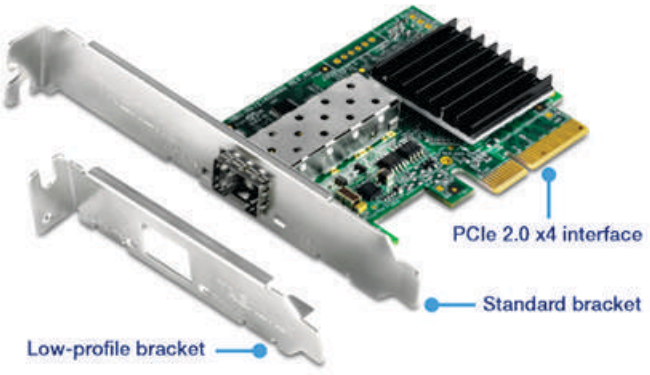
### Operating Systems

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

## NETWORKING SOLUTION



# FEATURES

### 10G SFP+
10G SFP+ PCIe adapter 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 and activity

# SPECIFICATIONS

**Standards**
- IEEE 802.1Q
- IEEE 802.3ae
- IEEE 802.3x
- IEEE 802.3bz
- IEEE 802.3u

**Hardware Interface**
- PCIe 2.0 x4 interface
- 1 x 10Gbps SFP+ slot (Supported speeds: 10Gbps / 5Gbps / 2.5Gbps / 1Gbps / 100Mbps) (SFP+ modules sold separately: TEG-10GBSR, TEG-10GBS10, TEG-10GBS40)
- LED indicator

**Data Transfer Rate**
- SFP: 1000Mbps (full duplex), 10Gbps (full duplex)

**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
- Microsoft® Hyper-V
- Oracle® VirtualBox

**Jumbo Frames**
- Up to 16KB

**Special Features**
- 10G SFP+ for high speed network connectivity
- Compatible with standard 10G SFP+ modules and Direct Attach Copper (DAC) cables
- Windows Server support
- Microsoft® Hyper-V hypervisor support for virtualization

**Additional Support**
- 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: 1.5W

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

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

**Certifications**
- CE
- FCC

**Dimensions**
- 87 x 62 x 18mm (3.4 x 2.4 x 0.7 in.)

**Weight**
- 58g (2 oz.)

**Warranty**
- 3 year

**Package Contents**
- TEG-10GECSFP
- Quick Installation Guide
- 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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