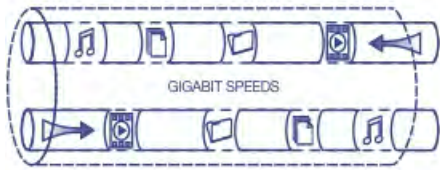# 16-Port Gigabit GREENnet Switch

TEG-S16g (v2.0R)

- GREENnet technology reduces power consumption by up to 70%*
- 16 x Gigabit RJ-45 ports
- Sturdy rackmount metal switch with built-in power supply
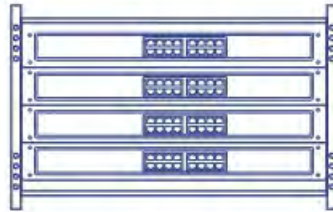- 32 Gbps forwarding capacity
- Limited Lifetime Warranty

The 16-Port Gigabit GREENnet Switch, model TEG-S16g, provides high bandwidth performance, ease of use, and reliability, all while reducing power consumption by up to 70%*. GREENnet technology automatically adjusts power consumption as needed, resulting in substantial energy savings. Embedded GREENnet technology works right out of the box with no management requirement.

Boost office network efficiency and eliminate network congestion with gigabit speeds and a total switching capacity of 32 Gbps with full-duplex mode. A built-in universal power supply reduces cable clutter, and diagnostic LEDs help with network troubleshooting. Plug and Play this sturdy metal switch for reliable high-speed network connectivity.
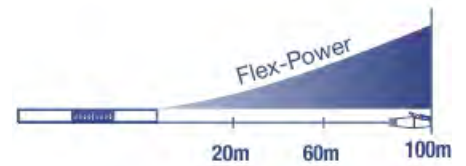
TRENDnet®

Gigabit Speeds

16 gigabit ports provide high-speed network connections to devices and a 32 Gbps switching capacity allows data traffic to flow smoothly, reducing traffic bottlenecks.
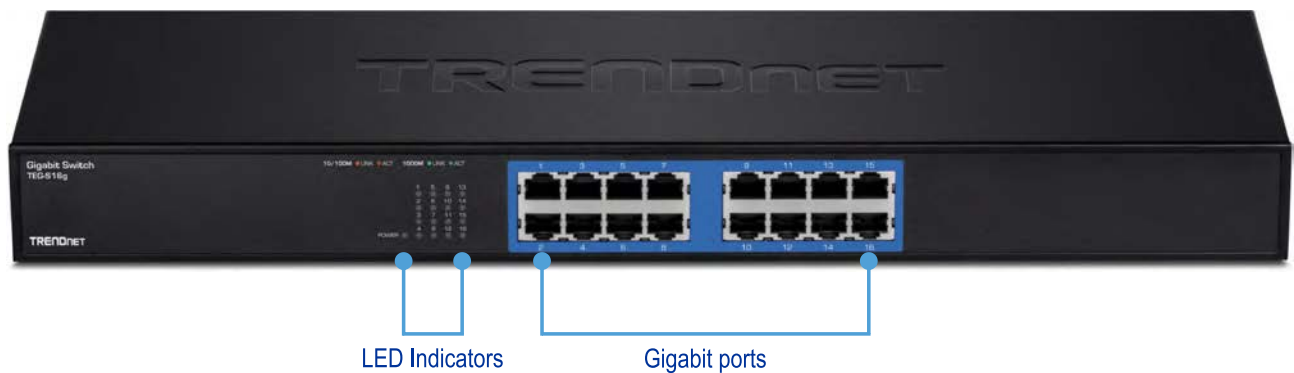
Rackmount Design

With a sturdy metal housing and included rackmount brackets, this switch is well-suited for 19" 1U rack installations. Its fanless design is perfect for quiet environments that require silent operation.

Energy Savings

Embedded GREENnet technology provides cost savings and reduces power consumption by up to 70%, by limiting port power consumption during periods of low link utilization.

Networking Solution

LED Indicators   Gigabit ports

TRENDnet®

Plug and Play
Simply power up the switch and plug in devices

Hardware Design
Provides 16 gigabit ports and includes rackmount brackets.

Switching Capacity
32 Gbps switching capacity

Jumbo Frame
Sends larger packets, or Jumbo Frames (up to 10 KB), for increased performance

Fanless
Fanless design lowers energy consumption and eliminates operating noise

LED Indicators
LEDs convey power, link and activity

TRENDnet

Specifications

Standards
- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX
- IEEE 802.3ab 1000Base-T
- IEEE 802.3x Flow Control
- IEEE 802.3az Energy Efficient Ethernet

Network Media
- Ethernet: Cat. 5 up to 100 m
- Fast Ethernet: Cat. 5 and 5e up to 100 m
- Gigabit Ethernet: Cat. 5e and 6 up to 100 m

Data Rate
- Ethernet: 10 Mbps / 20 Mbps (half / full-duplex)
- Fast Ethernet: 100 Mbps / 200 Mbps (half / full-duplex)
- Gigabit Ethernet: 2000 Mbps (full-duplex)

Protocol / Topology
- CSMA / CD, Star

Power Consumption
- 10.1 Watts (max.)

Switch Fabric
- 32 Gbps

Interface
- 16 x 10/100/1000 Mbps Auto-MDIX RJ-45 ports

Data RAM Buffer
- 512 KB

Filtering Table
- 8 K entries

Jumbo Frame Support
- Up to 10 KB

Diagnostic LED
- Power, 10/100 Mbps Link / ACT, 1000 Mbps Link / ACT

Power
- 100~240 VAC, 50/60 Hz Internal universal switching power

Dimension
- 440 x 140 x 44 mm (17.3 x 5.5 x 1.75 in.)

Weight
- 1.8 kg (3.8 lbs.)

Temperature
- Operating: 0° ~ 40° C (32° ~ 104° F)
- Storage: -10° ~ 70° C (14° ~ 158° F)

Humidity
- Max. 90% (non-condensing)

Certifications
- CE, FCC

Warranty
- Limited Lifetime Warranty

Package Contents
- TEG-S16g
- Quick Installation Guide
- Power cord (1.8 m / 6 ft.)
- Rackmount hardware

TRENDnet offers a limited lifetime warranty for all of its metal-enclosed network switches that have been purchased in the United States/Canada on or after 1/1/2015. Cooling fan and internal power supply carry a one-year warranty.