



16-Port Gigabit GREENnet Switch

TEG-S16D (v1.0R)

- 16 x Gigabit ports
- Quality of Service traffic prioritization pass-through support (802.1p QoS)
- 32 Gbps switching fabric
- Jumbo Frame support
- Fanless design
- GREENnet energy saving technology
- Limited Lifetime Warranty

TRENDnet's 16-Port Gigabit GREENnet Switch, model TEG-S16D, provides performance, proven reliability, and reduced power consumption. Embedded energy saving GREENnet technology works right out of the box with no management required. This fanless unmanaged desktop switch offers a total switching capacity of 32 Gbps and 802.1p Quality of Service traffic prioritization pass-through support.



Gigabit Networking

Sixteen Gigabit ports produce a 32 Gbps switching capacity and support Jumbo Frames up to 9 KB.



GREENnet Energy Savings

GREENnet technology saves energy by powering down unused ports and improving the efficiency of used ports.



QoS Prioritization

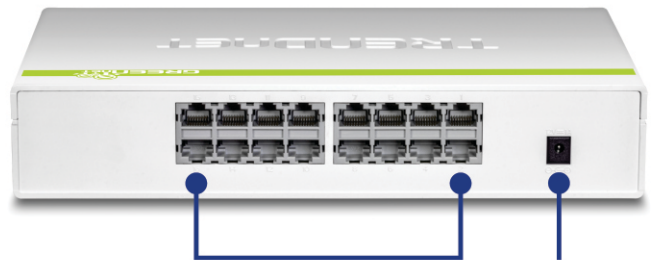
MAC level IEEE 802.1p Quality of Service (QoS) traffic prioritization pass-through support.

Networking Solution



①

① LED Indicators



②

② Gigabit ports

③

③ Power port



Plug and Play

Simply power up the switch and plug in connected devices



Ports

16 x Gigabit Ethernet ports



Switching Capacity

32 Gbps switching capacity



QoS Prioritization

MAC level IEEE 802.1p Quality of Service (QoS) traffic prioritization pass-through support



Jumbo Frame

Sends larger packets, or Jumbo Frames (up to 9 KB), for increased performance



LED Indicators

LED indicators convey port status



Fanless

Fanless design lowers energy consumption and eliminates operating noise



Energy Savings

Embedded GREENnet technology reduces power consumption

Specifications

Standards

- IEEE 802.1p
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3az

Device Interface

- 16 x Gigabit ports
- LED indicators
- Power port

Data Transfer Rate

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

Performance

- Switch fabric: 32 Gbps
- Ram buffer: 256 KB
- MAC Address Table: 8K entries
- Jumbo Frames: 9 KB

Special Feature

- Supporting 802.1p QoS packet prioritization
- Up to 40% GREENnet energy savings

Power

- Input: 100 - 240 V AC, 50/60 Hz, 0.3 A
- Output: 12 V DC, 1 A
- Consumption: 7 Watts (Max)

MTBF

- 2,771,342 hours

Operating Temperature

- 0 – 40 °C (32 - 104 °F)

Operating Humidity

- Max. 90% non-condensing

Dimensions

- 251 x 158 x 48 mm (9.9 x 6.2 x 1.9 in.)

Weight

- 642 g (22.7 oz.)

Certifications

- CE
- FCC

Warranty

- Limited Lifetime Warranty

Package Contents

- TEG-S16D
- Quick Installation Guide
- Power adapter (12 V DC, 1 A)

