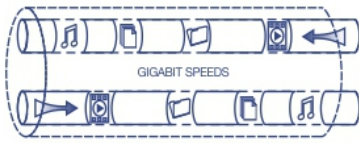# TRENDnet®

16-Port Gigabit GREENnet Desktop Switch

TEG-S16Dg (v2.1R)

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

The 16-Port Gigabit GREENnet Desktop Switch, model TEG-S16Dg, 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.
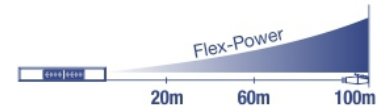
Gigabit Speeds

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.
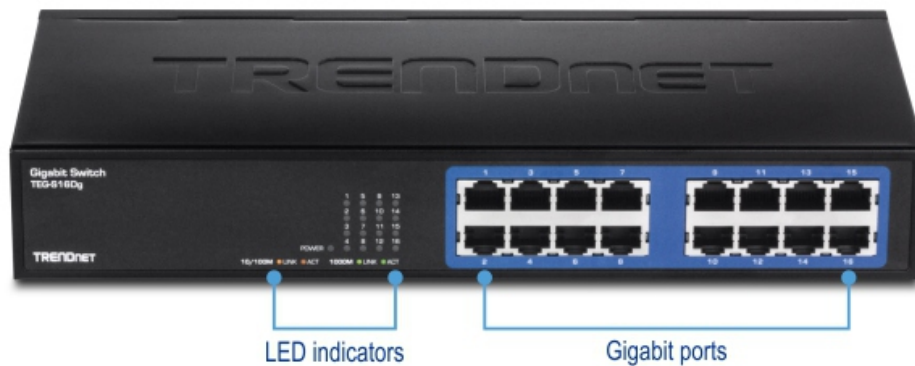
Desktop Design

With a compact and sturdy metal housing design this switch is well-suited for desktop 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

FEATURES

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

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

Internal Power Supply
100~240 VAC, 50/60 Hz internal universal switching power supply

Optional Rack Mount (sold separately)
Rack mountable with ETH-11MK rack mount brackets

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
- 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
- 280 x 125.8 x 44 mm (11 x 5 x 1.7 in.)

Weight
- 1.1 kg (2.4 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
- 3 year limited

Package Contents
- TEG-S16Dg
- Quick Installation Guide
- Power cord (1.8 m / 6 ft.)

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.

Updated: 8/20/2020