

16-Port Gigabit GREENnet Switch



TEG-S16Dg (v1.0R)

The 16-Port Gigabit GREENnet 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 voltage 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 32Gbps 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.

Product Overview

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

Search terms:

Switch, Gigabit switch, 16-port switch, 16-port, GREEN switch, GREENnet switch, switching, network switch, metal switch, rackmount switch, Gigabit, Ethernet, 10/100/1000Mbps, Full-Duplex, jumbo frame, 802.3az, 802.3ab, 802.3u, 802.3, 802.3x, flow control, Store-and-Forward switching

Technical Features

- 16 x 10/100/1000Mbps Auto-MDIX Gigabit Ethernet ports
- On / off power switch
- Features a 32Gbps forwarding capacity
- Internal power supply reduces clutterGREENnet technology reduces electrical power consumption when:
 - a. Ethernet port is not in use
 - b. Connected device is turned off
 - c. Connected device is in power-saving mode
 - d. Based on Ethernet cable length
- IEEE 802.3az (draft 2.0)Energy Efficient Ethernet technology
- IEEE 802.3x Flow Control for full-duplex mode
- Back pressure Flow Control for half-duplex mode
- Store-and-Forward switching architecture with non-blocking wire-speed performance
- Integrated address look-up engine with an 8 K MAC address table, and 2 MBits RAM data buffer
- Operates and maximizes packet filtering and forwarding rate
- Jumbo Frame support up to 9216Bytes

- Sturdy metal housing
- Diagnostic LEDs and Plug & Play support
- 3-year limited warranty

*Max power savings compared with conventional TRENDnet switches.



Specifications

Hardware	
Standards	IEEE 802.3 10Base-T; IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T; IEEE 802.3x Flow Control; IEEE 802.3az (draft 2.0)
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: 10Mbps/20Mbps (half/full-duplex) Fast Ethernet: 100Mbps/200Mbps (half/full-duplex) Gigabit Ethernet: 2000Mbps (full-duplex)
Protocol / Topology	CSMA/CD, Star
Power Consumption	2.3 Watts (max.)
Switch Fabric	32Gbps
Interface	16 x 10/100/1000Mbps Auto-MDIX RJ-45 ports
Power Button	On / off power button
Data RAM Buffer	2 MBits
Filtering Table	8 K entries
Jumbo Frame Support	Up to 9216Bytes
Diagnostic LED	Power, Link/ACT, 100Mbps, 1000Mbps
Power	100~240VAC, 50/60Hz Internal universal switching power
Dimension	280 x 180 x 44 mm (11 x 7 x 1.7 in.)
Weight	1.5 kg (3.3 lbs.)
Temperature	Operating: 0° ~ 40° C (32° ~ 104° F) Storage: -10° ~ 70° C (14° ~ 158° F)
Humidity	Max. 90% (non-condensing)
Certifications	CE, FCC

Package Contents

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

Related Products

- TEW-639GR
- TEG-S24Dg
- TEG-PCITXR