

TEG-S82G (8-Port Gigabit GREENnet Switch)

The TRENDnet TEG-S82G is an energy-efficient unmanaged Gigabit Ethernet switch featuring 8 auto-MDIX 10/100/1000 Mbps ports. This switch is designed to deliver high-speed connectivity and smart power management, that provides a total switching capacity of 16 Gbps for smooth data flow. It is equipped with GREENnet technology that automatically adjusts power consumption based on network link status and cable length, reducing power use by up to 70%. Its sturdy metal casing and fanless design ensure durability and silent operation, making it ideal for space-constrained environments such as small offices and workgroups.

QUICK SPEC

FIGURE 1: APPEARANCE OF TEG-S82G



TABLE 1: Quick Specs

SKU	TEG-S82G
Backplane speed	16 Gbps
Throughput	11.9 Mpps
Ports	8 x 10/100/1000 Mbps RJ-45
Dimensions (W x H x D)	148 x 97 x 26 mm (5.8 x 3.8 x 1 in.)

Product Details

FIGURE 2: FRONT PANEL OF TEG-S82G

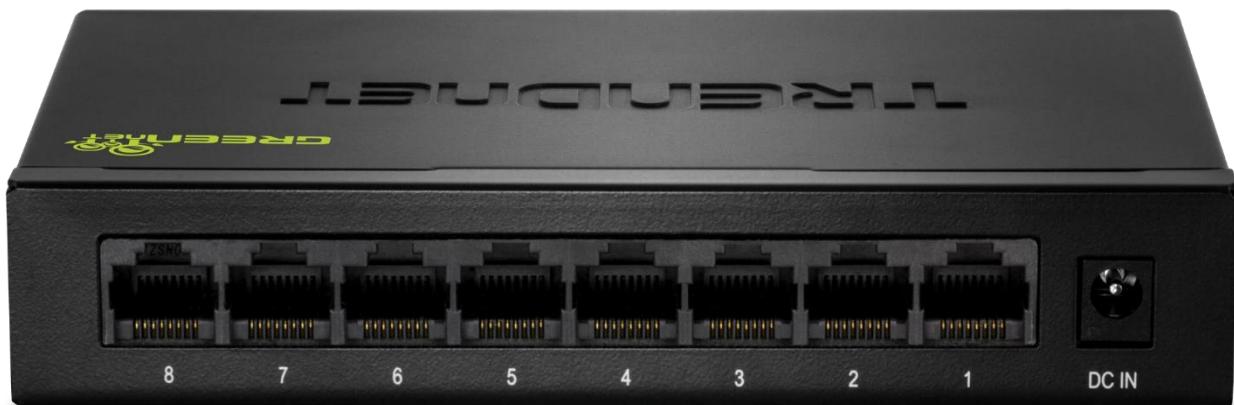


FIGURE 3: BACK PANEL OF TEG-S82G



TEG-S82G provides these features:

1.8 x Gigabit Auto-MDIX Ethernet Ports

It provides high-speed 10/100/1000 Mbps connectivity with automatic crossover detection enabling easy plug-and-play setup without the need for crossover cables.

2.16 Gbps Switching Capacity

It ensures non-blocking high data throughput with full-duplex mode, facilitating smooth traffic flow and reducing network congestion for efficient data transfers.

3.GREENnet Energy-Saving Technology

It automatically reduces power consumption by up to 70% by adjusting voltage based on port usage, link status, and cable length, enhancing energy efficiency without configuration.

4.Fanless Metal Housing

It has durable and compact metal chassis supports silent operation by eliminating fan noise, making it ideal for noise-sensitive environments including offices and workspaces.

5.Jumbo Frame Support

It supports jumbo frames up to 9,216 bytes to improve network performance by allowing larger packets to be transmitted and reducing CPU load on network devices.

6.Store-and-Forward Switching Architecture

It ensures accurate error checking and minimizes packet loss by storing incoming packets and forwarding them only after error verification.

7.LED Indicators

It provides easy-to-read visual indicators for power, link status, and network activity for straightforward diagnostics and status monitoring.

8.Standards Compliance:

It has compliant with IEEE 802.3, 802.3u, 802.3ab, 802.3x, and 802.3az standards ensuring compatibility and energy efficiency.

SPECIFICATION

TEG-S82G (8-Port Gigabit GREENnet Switch) Switch Specification	
MODEL NUMBER	TEG-S82G (8-Port Gigabit GREENnet)
WEIGHT	380 g (13.4 oz)
DIMENSIONS (W x H x D)	148 x 97 x 26 mm (5.8 x 3.8 x 1 in.)
PORTS	8 Gigabit ports
FILTERING TABLE	8 K entries
DATA RAM BUFFER	256 KBytes
JUMBO FRAME SUPPORT	9216 Bytes
LEDs	Power, Link / ACT, 100 Mbps / 1000 Mbps
OPERATING TEMPERATURE	0° - 40° C (32° - 104° F)
STORAGE TEMPERATURE	-10° - 70° C (14° - 158° F)
POWER CONSUMPTIONS	3.5 Watts (max)
POWER ADAPTOR	Input: 100-240 V, 50/60 Hz, 190 mA Output: 5 V DC, 1 A external power adapter
SWITCHING CAPABILITIES	16Gbps
CERTIFICATIONS	FCC, CE
PACKAGE CONTENTS	Multi-Language Quick Installation Guide Power adapter (5 V DC, 1 A)

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