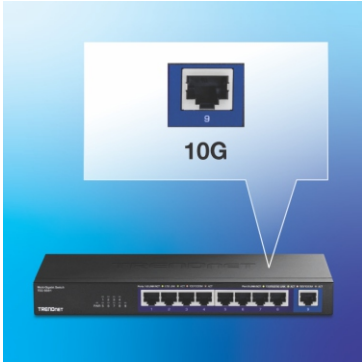# TRENDnet®

9-Port Multi-Gig Switch

TEG-S591 (v1.0R)

- 8 x 2.5G RJ-45 ports
- 1 x 10G RJ-45 port
- Compact fanless design eliminates noise
- Wall mountable for installation flexibility
- 60Gbps switching capacity
- IEEE 802.3bz (2.5G) compliant
- IEEE 802.3an (10G) compliant
- Lifetime Warranty

Expand your network's bandwidth and reduce traffic bottlenecks with TRENDnet's high-speed and reliable Multi-Gigabit Switch. This multi-gig 2.5G / 10G switch comes equipped with 2.5G RJ-45 ports that provide speeds capable of up to 2.5Gbps over existing Cat5e or better cabling. It also offers one dedicated 10G RJ-45 port for an ultra-fast network connection, providing a cost-effective solution in adding 10G link capability to any SMB network. The fanless design on this multi-gigabit 2.5G / 10G switch lowers energy consumption and eliminates distracting operating noise. TRENDnet's reliable multi-gigabit switches are cost-effective solutions to increase your network's throughput.

10G Port

Offers one 10G port for high-speed network connection providing a cost-effective solution in adding 10G link capability.
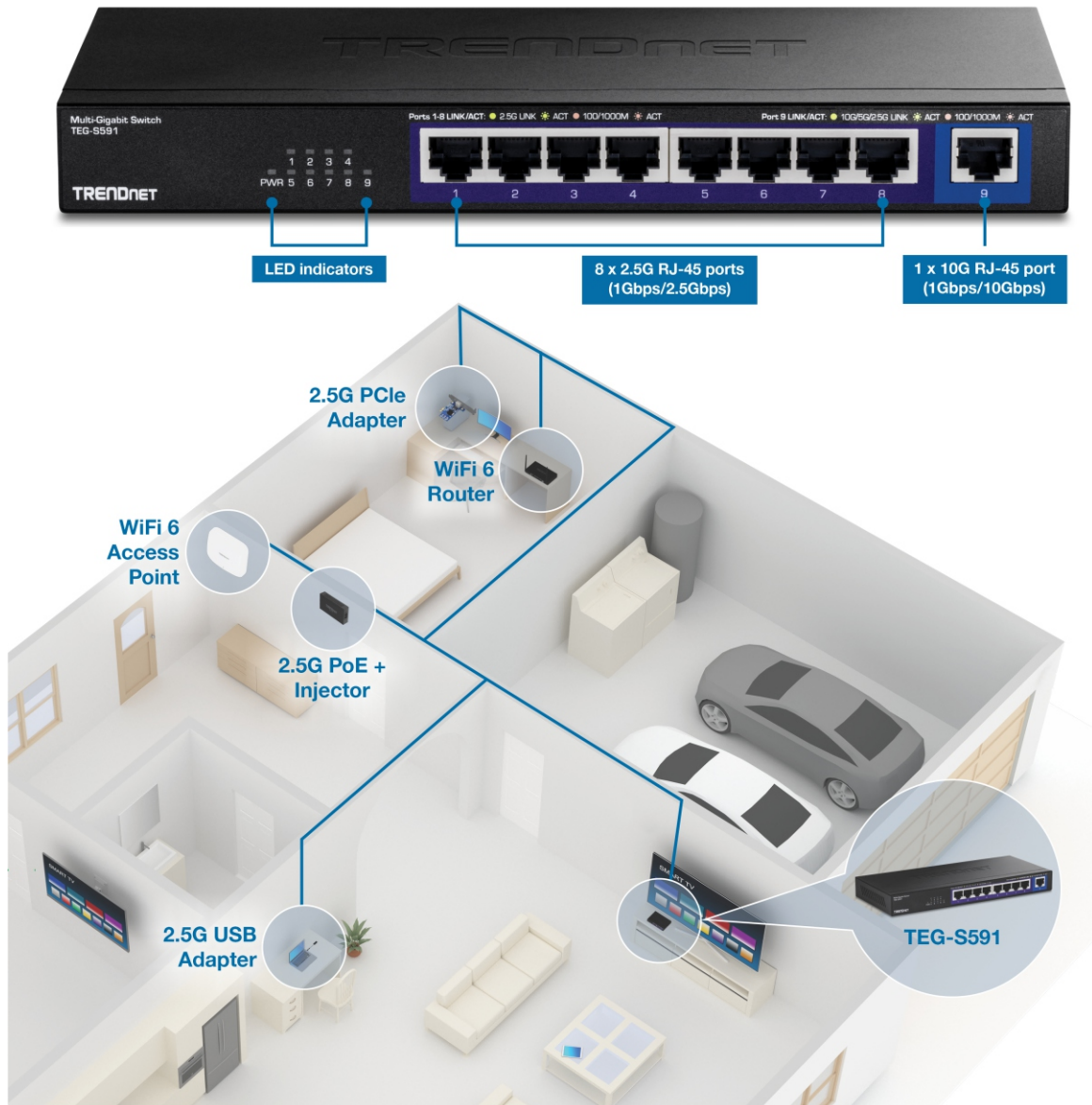
2.5G Ports

Equipped with eight 2.5G RJ-45 ports that provide multi-gigabit speeds capable of up to 2.5Gbps over existing Cat5e or better cabling.

Fanless

The compact fanless design lowers power consumption, energy costs, and eliminates distracting operating noise.

NETWORKING SOLUTION

LED indicators

8 x 2.5G RJ-45 ports (1Gbps/2.5Gbps)

1 x 10G RJ-45 port (1Gbps/10Gbps)

2.5G PCIe Adapter

WiFi 6 Router

WiFi 6 Access Point

2.5G PoE + Injector

2.5G USB Adapter

TEG-S591

FEATURES

Easy Installation

No configuration needed, simply connect network devices to this multi-gigabit 2.5G / 10G switch

2.5G Ports

Equipped with 2.5G RJ-45 ports that provide higher gigabit speeds capable of up to 2.5Gbps over existing Cat5e or better cabling

10G Port

Equipped with one 10G port for an ultra-fast network connection providing a cost-effective solution in adding 10G link capability

Fanless

Compact fanless design on the 2.5G / 10G switch lowers energy consumption and eliminates operating noise

Housing Design

The multi-gigabit 2.5G / 10G switch features a sturdy metal housing

Wall Mountable

Features a convenient wall mountable design for greater installation flexibility

Jumbo Frame

The 2.5Gb switch sends larger packets, or Jumbo Frames (up to 12KB), for increased performance

LED Indicators

LED indicators on the multi-gigabit 2.5G / 10G switch conveys port status

SPECIFICATIONS

Standards

- IEEE 802.3ab
- IEEE 802.3an
- IEEE 802.3bz
- IEEE 802.3u
- IEEE 802.3x

Device Interface

- 8 x 2.5G RJ-45 ports (1Gbps/2.5Gbps)
- 1 x 10G RJ-45 port (1Gbps/10Gbps)
- LED indicators
- Wall mountable

Data Transfer Rate

- Gigabit Ethernet: 2Gbps (full duplex)
- 2.5G Ethernet: 5Gbps (full duplex)
- 10G Ethernet: 20Gbps (full duplex)

Performance

- Switch fabric: 60Gbps
- RAM buffer: 1MB
- MAC address table: 4K entries
- Jumbo frames: 12KB
- Forwarding mode: Store and forward
- Forwarding rate: 44.64Mpps (64-byte packet size)

Power

- Input: 90 – 264V AC, 47/63 Hz
- Output: 12V, 1.5A
- Max. consumption: 11.9W

MTBF

- 518,151 hours

Fan / Acoustics

- Fanless

Operating Temperature

- 0° – 40° C (32° – 104° F)

Operating Humidity

- Max. 90% non-condensing

Dimensions

- 240 x 105 x 27mm (9.45 x 4.1 x 1 in.)

Weight

- 0.72 kg (1.6 lbs.)

Certifications

- CE
- FCC
- LVD

Warranty

- Lifetime Warranty

Package Contents

- TEG-S591
- Quick Installation Guide
- Power adapter (12V, 1A)

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.

TRENDnet offers a 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.