TRENDNET®

16-Port Gigabit PoE+ Switch

TPE-TG160g (v1.0R)

- 16 x Gigabit PoE+ ports
- 246 W PoE budget
- 32 Gbps switching capacity
- Sturdy metal switch
- Rack mount brackets included
- Limited Lifetime Warranty

TRENDnet's 16-Port Gigabit PoE+ Switch, model TPE-TG160g, offers 16 x Gigabit PoE+ ports, a 32 Gbps switching capacity, and a PoE power budget of 246 Watts. This rugged metal switch comes with a rack mount kit.

PoE Camera Flexibility

The switch recognizes non-PoE, PoE (15.4 W), and PoE+ (30 W) cameras (or other PoE devices) and supplies the required amount of power automatically.

Full PoE Power

The large 246 Watt PoE power budget supplies full PoE power to every port, thereby maximizing the number of allowable connected PoE devices.

Gigabit Networking

All Gigabit ports produce a 32 Gbps switching capacity and support Jumbo Frames up to 10 KB.

Networking Solution

1. LED indicators
2. Gigabit PoE+ ports
3. Power port

PoE+
Supplies up to 30 Watts of power per port with a 246 Watt PoE budget

Ports
16 x Gigabit PoE+ ports

Switching Capacity
32 Gbps switching capacity

Jumbo Frame
Sends Jumbo Frames (up to 10 KB) for increased performance

Energy Savings
Embedded GREENnet technology reduces power consumption

Rack Mountable
Rack mountable metal enclosure with included mounting kit

LED Indicators
LED indicators convey port status

TRENDnet®

Specifications

Standards

- IEEE 802.1p
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3af (15.4 Watts/port)
- IEEE 802.3at (30 Watts/port)
- IEEE 802.3az

Device Interface

- 16 x Gigabit PoE/PoE+ ports
- LED indicators

Data Transfer Rate

- Ethernet: 10 Mbps (half duplex), 20 Mbps (full duplex)
- Fast Ethernet: 100 Mbps (half duplex), 200 Mbps (full duplex)
- Gigabit: 2,000 Mbps (full duplex)

Performance

- Data RAM Buffer: 512 KB
- Switch Fabric: 32 Gbps
- MAC Address Table: 8 K entries
- Forwarding rate: 23.8 Mpps (64-byte packet size)
- Jumbo Frame: 10 KB

Power

- Input: 110-240 V AC, 50/60 Hz, 54 V/4.82 A; 12 V/1.67 A
- Consumption: 36 Watts (Max. without PD)

PoE

- PoE budget: 246 Watts
- Pin 3,6 for power+ and pin 1,2 for power- (mode A)
- Over current protection
- Short circuit protection

Operating Temperature

- 0 – 40 °C (32 - 104 °F)

Operating Humidity

- Max. 90% non-condensing

Dimensions

- 440 x 210 x 44 mm (17.3 x 8.3 x 1.7 in.)

Weight

- 3 kg (6.8 lbs.)

Certifications

- CE
- FCC

Warranty

- Limited Lifetime Warranty

Package Contents

- TPE-TG160g
- Quick Installation Guide
- Rack mount kit
- Power cord

TRENDnet offers a limited 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.