TRENDnet®

16 Port Gigabit Ethernet 250 Watt PoE+ Switch

TPE-3016L (v1.0R)

- 16 x Gigabit PoE+ ports
- 250 Watt power budget
- 32 Gbps switching capacity
- Rack mount brackets included
- Rear panel ports for easy network integration with your AV rack
- Convenient front-panel 4-digit seven-segment LED display

TRENDnet's 16 Port Gigabit Ethernet 250 Watt PoE+ Switch, model TPE-3016L, offers 16 x Gigabit PoE+ ports with a total Power budget of 250 Watts. View total power, available power, and power-per-port with a convenient front-panel 4-digit seven-segment LED display. Rear panel Ethernet ports and front panel LEDs easily integrate with your existing Audio & Video (AV) rack solution.

Hardware Design
Rear panel Ethernet ports and front panel LEDs easily integrate with your existing Audio & Video (AV) rack solution.

7-Segment LED Display
View total power, available power, and power-per-port

Power Budget
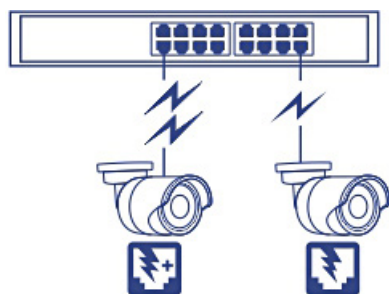Up to 250 Watts PoE+

Rack Mountable
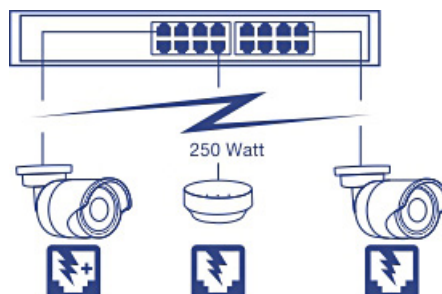Standard 19" 1U design (brackets included)

Fanless
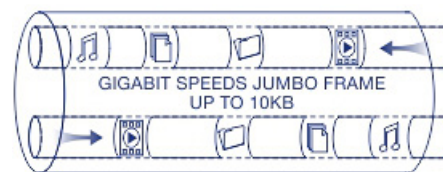Fanless design reduces energy consumption and operating noise.

PoE Camera Flexibility
The switch recognizes non-PoE, PoE (15.4 Watts), and PoE+ (30 Watts) cameras (or other PoE devices) and supplies the required amount of power automatically.
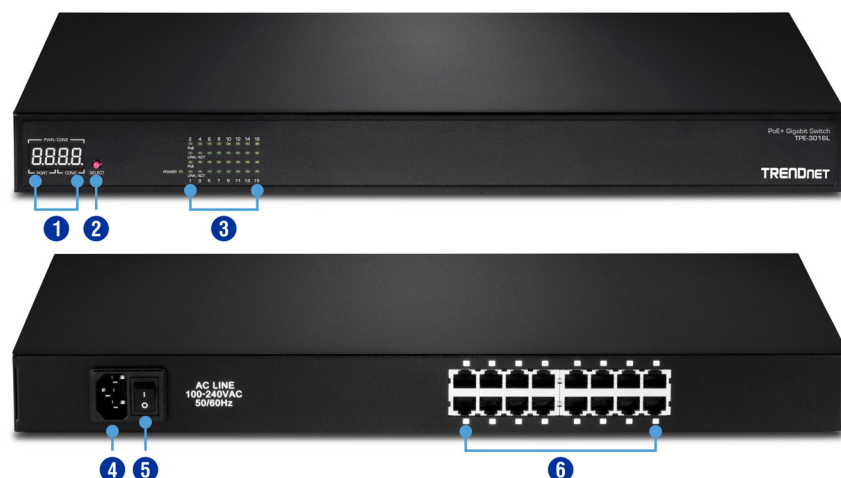
PoE Power
A 250 Watt PoE power budget supplies up to sixteen Power over Ethernet devices with PoE power.

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

Networking Solution

1. Seven segment display
2. Selection button
3. LED indicators
4. Power port
5. On / off Switch
6. Gigabit PoE+ ports

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Specifications

Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3af
- IEEE 802.3at

Device Interface
- 16 x Gigabit Ethernet ports
- LED indicators
- 4-Digit Seven-Segment LED Display

Data Transfer Rate
- Ethernet: 10 Mbps (half-duplex), 20 Mbps (full-duplex)
- Fast Ethernet: 100 Mbps (half-duplex), 200 Mbps (full-duplex)

Performance
- Broadcast storm control
- Data RAM Buffer: 400 KB
- Switch Fabric: 32 Gbps
- MAC Address Table: 4 K entries
- Forwarding rate: 23.8 Mpps (64-byte packet size)

Power
- Input: 110 – 240 V AC, 50/60 Hz
- Consumption: 7 Watts (Max. without PD)

PoE
- PoE overall budget: 250 Watts

- PoE budget per port: 30 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 280 x 44 mm (17.3 x 11 x 1.7 in.)

Weight
- 3.5 kg (7.7 lbs.)

Certifications
- CE
- FCC
- UL

Warranty
- Limited Lifetime Warranty*

Package Contents
- TPE-3016L
- 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.

Updated: 3/4/2016