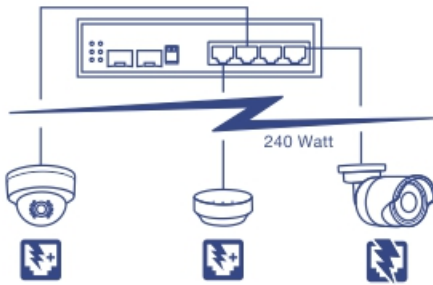


## 6-Port Hardened Industrial Gigabit Ultra PoE DIN-Rail Switch

TI-UPG62 (v1.0R)

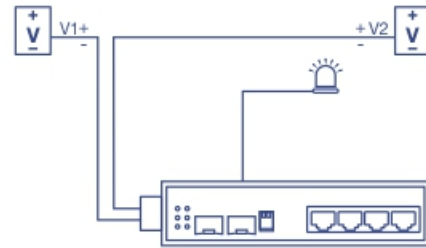
- 4 x Gigabit Ultra PoE ports
- 2 x dedicated SFP slots
- 240 watt power budget
- 12 Gbps switching capacity
- Hardened IP30 rated metal switch
- Includes DIN-rail and wall mounts
- Extreme -40 to 75 °C (-40 to 167 °F) operating temperature range
- Dual redundant power inputs with overload current protection
- Alarm output triggered by power failure
- Power supply sold separately (TI-S24048)

TRENDnet's TI-UPG62 is a reliable IP30 unmanaged DIN-rail Ultra PoE switch with a rugged housing rated for extreme industrial environments. It offers 4 Gigabit Ultra PoE ports, 240 W PoE power budget, two dedicated SFP slots, and a 12 Gbps switching capacity. Dual redundant power inputs and a power failure alarm relay.



### Ultra PoE

A 240 watt PoE power budget supplies up to four Power over Ethernet devices with PoE (15.4 W), PoE+ (30 W) or Ultra PoE (60 W) power.



### Fault Tolerance

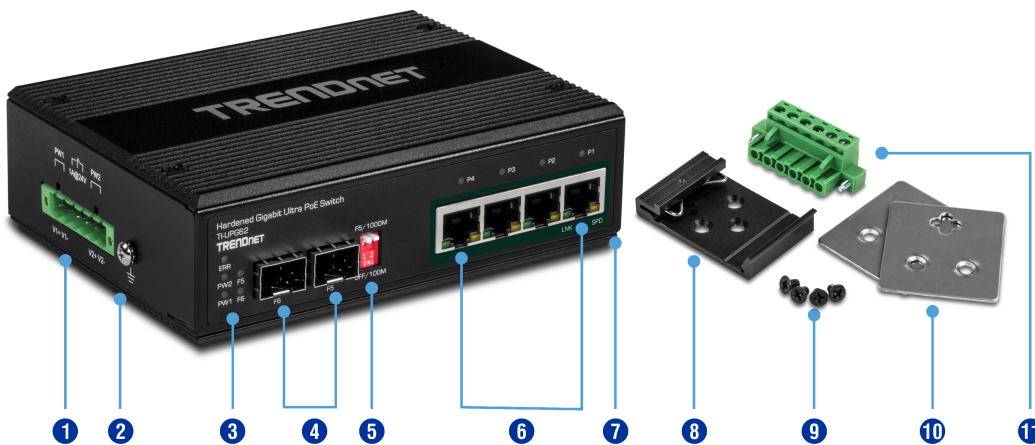
Features dual redundant power inputs (Primary and RPS) from external power sources and an output alarm relay to indicate the event of input power failure.



### Industrial Hardened Design

Equipped with a rugged IP30 rated enclosure and designed to withstand a high degree of vibration, shock, protection against ESD / EMI / surge, and operate with a wide temperature range (- 40 – 75 °C (- 40 - 167 °F)) for harsh environments.

## Networking Solution



- 1 Terminal slot for DC power
- 2 Grounding point
- 3 LED indicators
- 4 SFP slots
- 5 DIP switches
- 6 Gigabit Ultra PoE ports
- 7 IP30 rated metal housing
- 8 Din-rail mount
- 9 Screws
- 10 Wall mount kit
- 11 Terminal block



### PoE Power Budget

A 240 watt PoE power budget supplies up to four Power over Ethernet devices with PoE (15.4 W), PoE+ (30 W) or Ultra PoE (60 W) power.



### Network Ports

4 x Gigabit Ultra PoE ports and 2 x dedicated SFP slots



### DIN-Rail / Wall Mounts

IP30 rated metal enclosure with included DIN-rail and wall mount hardware



### Switching Capacity

12 Gbps switching capacity



### Redundant Power

Dual redundant power inputs with overload current protection (power supplies sold separately, model TI-S24048)



### Alarm Relay

Alarm relay triggered by power failure of primary and/or redundant power



### Jumbo Frame

Sends larger packets, or Jumbo Frames (up to 9 KB), for increased performance



### Rated for Extreme Environments

Rugged IP30 rated enclosure designed to withstand a high degree of vibration, shock, and operate within a wide temperature range (-40 – 75 °C (-40 - 167 °F)) for harsh environments.



### Electro Magnetic Compliance

Complies with FCC Part 15 Subpart B Class A and CE EN 55022 Class A standards



### Certifications

Rated for information technology (ITE) equipment (EN55022/24); industrial, scientific, and medical (ISM) Equipment (EN55011)



### Shock and Vibration Resistant

Rated for shock (IEC 60068-2-27), freefall (IEC 60068-2-32), and vibration (IEC 60068-2-6)



### Grounding Point

Grounding point protects equipment from external electrical surges

## Specifications

### Standards

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

### Device Interface

- 4 x Gigabit Ultra PoE ports
- 2 x Gigabit SFP slots
- 6-pin removable terminal block
- LED indicators
- DIN-Rail mount
- Wall mount
- Grounding point

### Data Transfer Rate

- Ethernet: 10 Mbps (half duplex), 20 Mbps (full duplex)
- Fast Ethernet
- Gigabit

### Performance

- Data RAM Buffer
- Switching Fabric: 12 Gbps
- MAC Address Table: 1 K entries
- Jumbo Frame: 9 KB
- Forwarding rate: 8.9 Mpps (64-byte packet size)

### Special Features

- Hardened components rated for extreme temperatures
- Dual redundant power inputs
- Auto-Negotiation

- Auto store and forward architecture
- Automatic address learning and address aging
- ESD 8KV protection

### DC Power

- Input: 48 - 56 V DC
- Compatible power supply: TI-S24048 (sold separately)
- Consumption: Max. 5.76 watts (no PD)

### PoE

- PoE: up to 15.4 watts per port
- PoE+
- Ultra PoE
- Total PoE budget

### Terminal Block

- Redundant power inputs, alarm relay contact, 6 pin
- Wire range: 0.34 mm<sup>2</sup> to 2.5 mm<sup>2</sup>
- Solid wire (AWG)
- Stranded wire (AWG)
- Torque: 5 lb. - In / 0.5 Nm / 0.56 Nm
- Wire strip length: 7-8 mm

### DIP Switch

- 1: OFF (port 5 SFP on, default), ON (port 5 SFP off)
- 2: OFF (SFP 1000M, default), ON (SFP 100M)

### Alarm Relay Contact

- Relay outputs with current carrying capacity of 1A, 24V DC
- Short circuit mode when two power sources are connected
- Open circuit mode when only one power source is connected

### MTBF

- 304 hours

### Housing

- IP30 metal case
- DIN-rail mount
- Wall mount
- Grounding point
- 8 KV ESD protection

### Operating Temperature

- -40 to 75 °C (-40 to 167 °F)

### Operating Humidity

- Max. 95 % non-condensing

### Dimensions

- 143 x 105 x 36 mm (5.6 x 4.1 x 1.4 in.)

### Weight

- 514 g (1.1 lb)

### Certifications

- CE
- FCC
- Shock
- Freefall
- Vibration (IEC 60068-2-6)

### Warranty

- Limited Lifetime Warranty\*

### Package Contents

- TI-UPG62
- Quick Installation Guide
- Removable terminal block
- DIN-rail and wall mount kit

