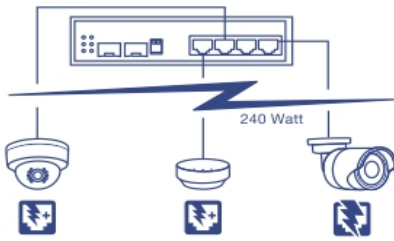


6-Port Hardened Industrial Gigabit Ultra PoE DIN-Rail Switch

TI-UPG62 (v1.0R)

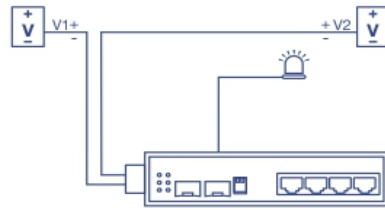
- 4 x Gigabit Ultra PoE ports
- 2 x dedicated SFP slots
- 240 watt power budget
- 12 Gbps switching capacity
- Hardened IP30 rated metal switch
- Includes DIN-rail and wall mounts
- Extreme -40 to 75 °C (-40 to 167 °F) operating temperature range
- Dual redundant power inputs with overload current protection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

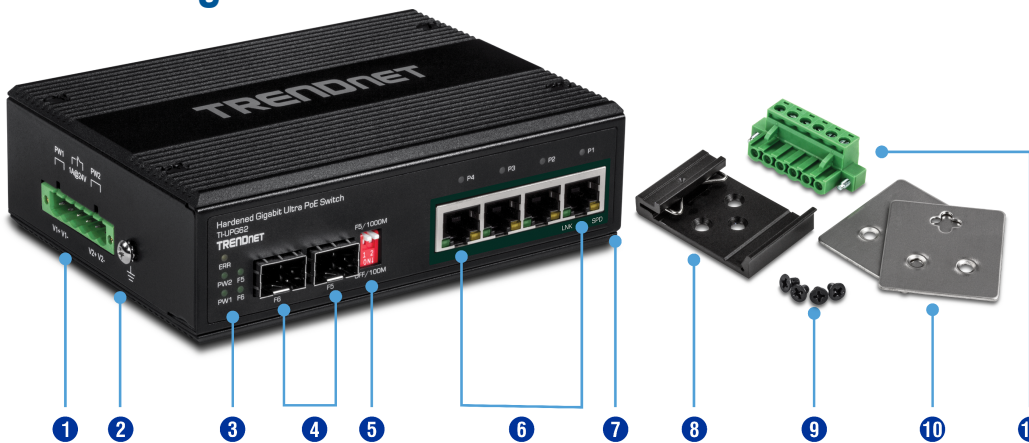
Features dual redundant power inputs (Primary and RPS) from external power sources and an output alarm relay to indicate the event of input power failure.



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 | <ul style="list-style-type: none"> • IEEE 802.3 • IEEE 802.3u • IEEE 802.3ab • IEEE 802.3z • IEEE 802.3x • IEEE 802.3af • IEEE 802.3at |
| Device Interface | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Ethernet: 10 Mbps (half duplex), 20 Mbps (full duplex) • Fast Ethernet: 100 Mbps (half duplex), 200 Mbps (full duplex) • Gigabit: 2000 Mbps (full duplex) |
| Performance | <ul style="list-style-type: none"> • Data RAM Buffer: 1024 KB • 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Input: 48 - 56 V DC • Compatible power supply: TI-S24048 (sold separately) • Consumption: Max. 5.76 Watts (no PD) |
| PoE | <ul style="list-style-type: none"> • PoE: up to 15.4 watts per port • PoE+: up to 30 watts per port • Ultra PoE: up to 60 watts per port • Total PoE budget: 240 watts |

| | |
|------------------------------|--|
| Terminal Block | <ul style="list-style-type: none"> • Redundant power inputs, alarm relay contact, 6 pin • Wire range: 0.34mm² to 2.5mm² • Solid wire (AWG): 12-24/14-22 • Stranded wire (AWG): 12-24/14-22 • Torque: 5 lb. – In / 0.5Nm / 0.56 Nm • Wire strip length: 7-8mm |
| DIP Switch | <ul style="list-style-type: none"> • 1: OFF (port 5 SFP on, default), ON (port 5 SFP off) • 2: OFF (SFP 1000M, default), ON (SFP 100M) |
| Alarm Relay Contact | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 510,304 hours |
| Housing | <ul style="list-style-type: none"> • IP30 metal case • DIN-rail mount • Wall mount • Grounding point • 8 KV ESD protection |
| Operating Temperature | <ul style="list-style-type: none"> • - 40 to 75 °C (-40 to 167 °F) |
| Operating Humidity | <ul style="list-style-type: none"> • Max. 95 % non-condensing |
| Dimensions | <ul style="list-style-type: none"> • 143 x 105 x 36 mm (5.6 x 4.1 x 1.4 in.) |
| Weight | <ul style="list-style-type: none"> • 514 g (1.1 lb) |
| Certifications | <ul style="list-style-type: none"> • CE • FCC • Shock (IEC 60068-2-27) • Freefall (IEC 60068-2-32) • Vibration (IEC 60068-2-6) |
| Warranty | <ul style="list-style-type: none"> • Limited life time warranty |

PACKAGE CONTENTS

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