

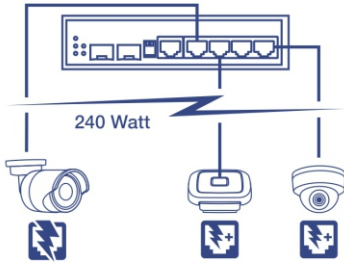


## 6-Port Hardened Industrial Gigabit PoE++ DIN-Rail Switch

TI-UPG62 (v2.1R)

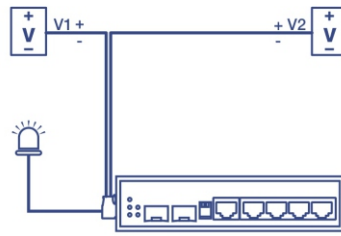
- 4 x Gigabit PoE++ ports
- 1x Gigabit share port
- 2 x Gigabit SFP slots
- 240W power budget
- 12Gbps switching capacity
- Hardened IP30 rated metal switch
- Includes DIN-rail and wall mounts
- Wide operating temperature range of -40° – 75° C (-40° – 167° F)
- Dual power inputs for redundancy
- Alarm output triggered by power failure
- Power supply sold separately (TI-S24048)

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



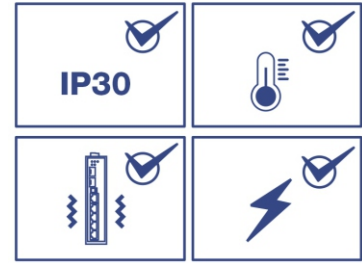
### PoE++

A 240 watt PoE power budget supplies up to four Power over Ethernet devices with PoE (15.4W), PoE+ (30W), or PoE++ (90W) power.



### Fault Tolerance

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



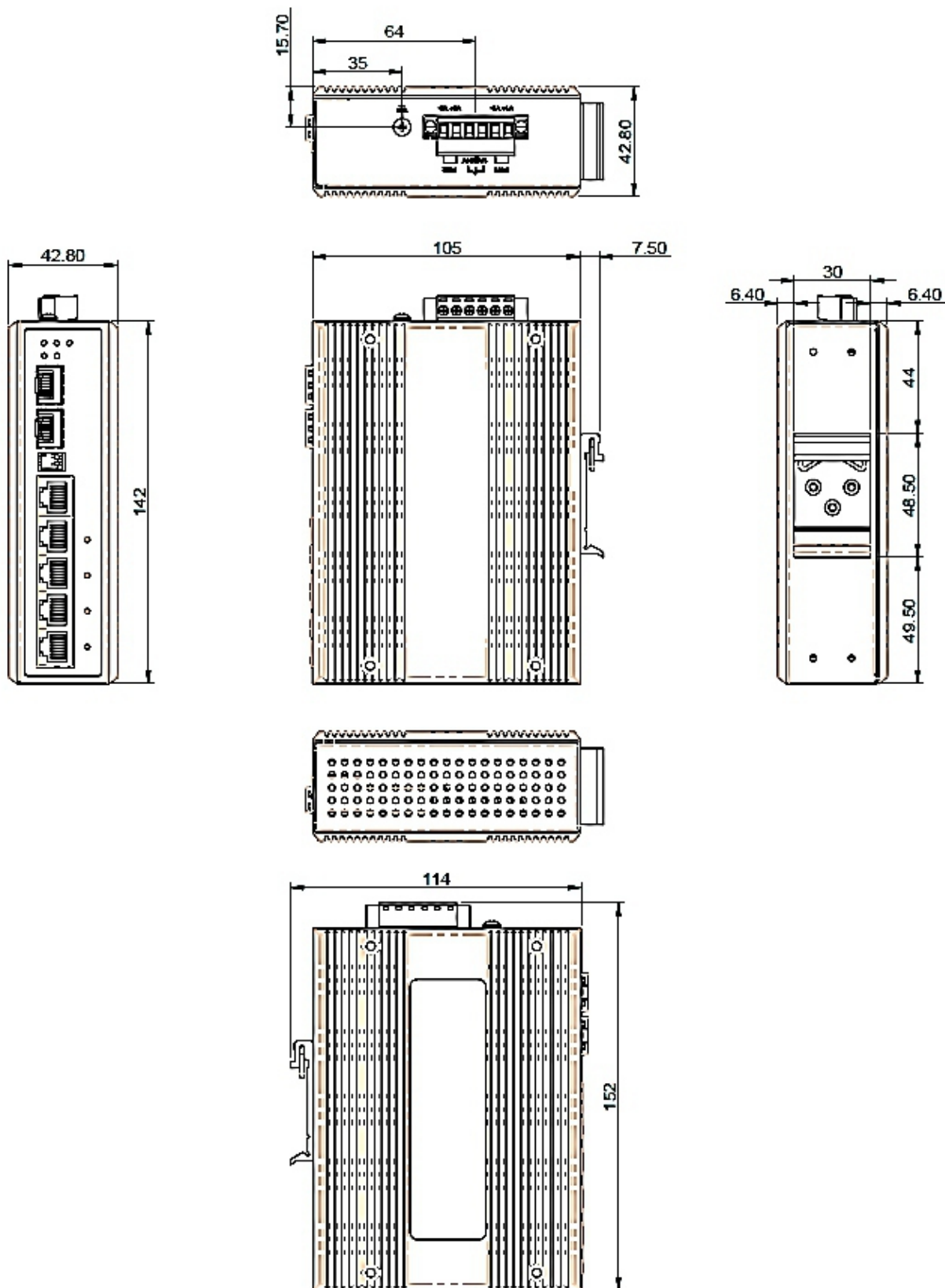
### Industrial Hardened Design

Designed with a rugged IP30 rated enclosure, resistance to a high degree of vibration and shock, protection against ESD/EMI/surge, and a wide operating temperature range (-40 – 75 °C (-40 - 167 °F)).

## NETWORKING SOLUTION



## HOUSING DIMENSIONS (mm)



## FEATURES



### PoE Power Budget

A 240 watt PoE power budget supplies up to four Power over Ethernet devices with PoE (15.4W), PoE+ (30W), or PoE++ (90W) power.



### Network Ports

4 x Gigabit 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

12Gbps switching capacity



### Redundant Power

Dual power inputs for redundancy 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 9KB), 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
- IEEE 802.3bt

### Device Interface

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

### Data Transfer Rate

- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)
- Gigabit: 2000Mbps (full duplex)
- Fiber: 2000Mbps (full duplex)

### Performance

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

### Special Features

- Hardened components rated for extreme temperatures
- Multiple power inputs
- Auto-Negotiation
- Auto store and forward architecture
- Automatic address learning and address aging

### DC Power

- Input: 52 - 56V DC
- Compatible power supply: TI-S24048 (sold separately)
- Max. consumption: 6.2W (no PD)

### PoE

- PoE: up to 15.4W per port
- PoE+: up to 30W per port
- PoE++: up to 90W per port
- Power budget: 240W

### Terminal Block

- Redundant power inputs, alarm relay contact, 6 pin
- Wire range: 0.34mm<sup>2</sup> to 2.5mm<sup>2</sup>
- 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

- 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

- 510,304 hours

**Housing**

- IP30 metal case
- DIN-Rail mount
- Wall mount
- Grounding point
- ESD Protection: Contact: 6kV / Air: 8kV
- Surge Protection: 2kV

**Operating Temperature**

- Max. 95% non-condensing

**Operating Humidity**

- Max. 95% non-condensing

**Dimensions**

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

**Weight**

- 514g (1.1 lb)

**Certifications**

- CE
- FCC
- Shock (IEC 60068-2-27)
- Freefall (IEC 60068-2-32)
- Vibration (IEC 60068-2-6)
- IEC 61000-4-2
- IEC 61000-4-4
- IEC 61000-4-5

**Warranty**

- 3 year

**Package Contents**

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

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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.