

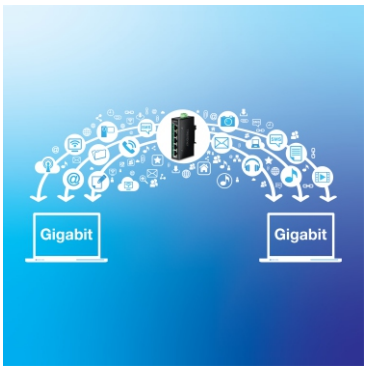
8-Port Industrial Gigabit PoE+ DIN-Rail Mini Switch

TI-PGLC80 (v1.xR)

- 8 x Gigabit PoE+ ports
- 200W PoE+ power budget
- Hardened IP30 rated metal mini switch
- Extreme operating temperature range of -40° – 75°C (-40° – 167°F)
- 16Gbps switching capacity
- Includes DIN-Rail mount and wall mount brackets
- Power supply sold separately (model: TI-S24052, TI-S24048)
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's 8-Port Industrial Gigabit PoE+ DIN-Rail Mini Switch, model TI-PGLC80, is a reliable and rugged networking solution designed for use in both extreme and demanding environments. This Industrial Gigabit DIN-Rail Mini Switch features a rugged IP30 rated metal enclosure, and is designed to withstand a high degree of vibration and shock, while operating in both high and low temperatures for industrial environments within -40° – 75° C (-40° – 167° F). The hardened industrial switch features eight copper gigabit PoE+ ports for high-speed device connections. The mini-sized housing is designed to fit into most compact installation areas.

Installers and integrators can save on equipment costs and reduce installation time with TRENDnet's Industrial Gigabit PoE+ Switches by delivering up to 30W per port of PoE power and data over existing Ethernet cables. With PoE technology, users only need one cable to deliver both data and power from the industrial unmanaged PoE+ switch. With these industrial unmanaged PoE+ switches, easily network PoE devices, such as high-power wireless access points, PTZ and other advanced IP cameras, VoIP phone systems, IPTV decoders, access controls, and more.



Gigabit PoE+ Ports

This industrial switch features eight copper gigabit PoE+ ports for high-speed device connections.



Industrial Hardened Design

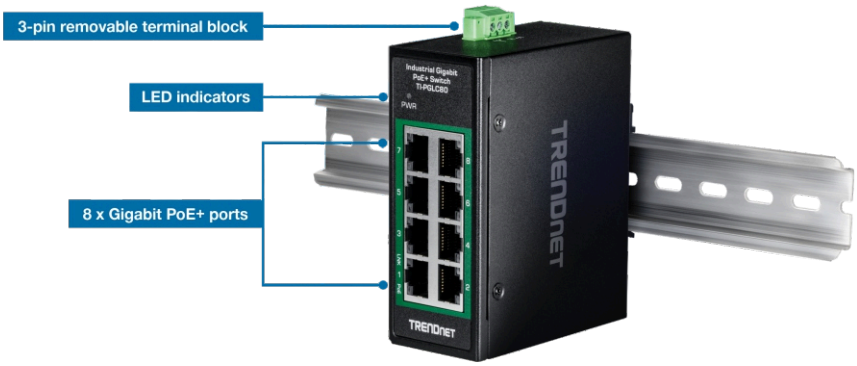
Equipped with a rugged IP30 rated housing, designed to withstand a high degree of vibration and shock, and operate within an extreme temperature range of -40° – 75° C (-40° – 167° F).

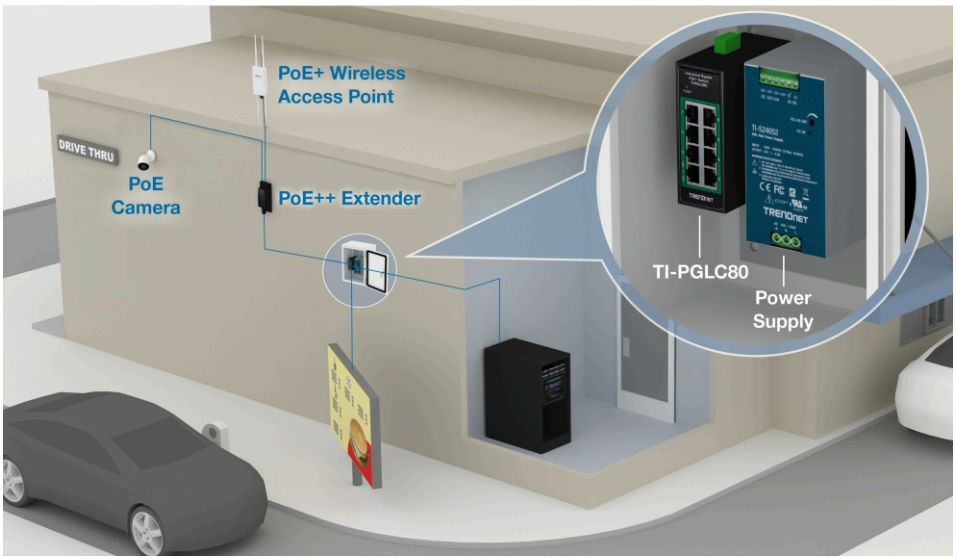


Compact Design

With a compact metal housing design, this mini network switch is well-suited for installations into most environments.

NETWORKING SOLUTION





FEATURES

Gigabit Ports
This mini switch is equipped with eight gigabit PoE+ Ethernet ports

PoE+ Power Budget
Supplies up to 30W of PoE/PoE+ power per PoE+ port with a power budget of 200W

DIN-Rail / Wall Mounts
IP30 rated metal enclosure on the industrial switch, with included DIN-Rail mount and wall mount hardware

Mini Housing Design
Compact and sturdy metal housing

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

Operating Temperature Range
An operating temperature range of -40° – 75° C (-40° – 167° F) allows for the installation of the industrial switch in environments with extreme hot or cold conditions

Shock and Vibration Resistant
Rated for shock (EN 60068-2-27), freefall (EN 60068-2-32), and vibration (EN 60068-2-6)

Electro Magnetic Compliance
Complies with industrial EMS certifications (IEC 61000-4-2) ESD: Contact: 6kV | Air: 8kV, (IEC 61000-4-4) EFT: Power: 2kV | Signal: 2kV, (61000-4-5) Surge: Power: 2kV | Signal: 2kV

Grounding Point
The industrial switch features a grounding point for protection against external electrical surges

SPECIFICATIONS

Standards

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

Device Interface

- 8 x Gigabit PoE+ ports
- 3-pin removable terminal block
- LED indicators

Data Transfer Rate

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

Performance

- Data RAM Buffer: 125KB
- Switching Fabric: 16Gbps
- MAC Address Table: 4K entries
- Jumbo Frame: 9KB
- Forwarding rate: 11.58Mpps (64-byte packet size)

Special Features

- Hardened components rated for extreme temperatures
- Auto-Negotiation
- Auto store and forward architecture
- Automatic address learning and address aging
- ESD 6kV protection

Power

- Input: 48 – 56V DC
- Compatible power supply: TI-S24048, TI-S24052 (sold separately)
- Max. consumption: 4.48W

PoE

- 802.3at: Up to 30W per port
- PoE budget: 90W @ 56V DC
- PoE Mode A: Pin 1, 2 + and pin 3, 6 -

Terminal Block

- 3-pin terminal block
- Alarm relay contact, 3-pin
- Wire range: 1.5mm^2
- Solid wire (AWG): 12-28
- Stranded wire (AWG): 12-28
- Torque: 3 lb. – In / 0.2Nm
- Wire strip length: 6-7mm

MTBF

- 1,357,000 hrs @ 25° C

Housing

- IP30 rated metal case
- DIN-Rail mount
- Wall mount
- Grounding point
- ESD 6kV protection

Operating Temperature

- - 40° - 75° C (-40° - 167° F)

Operating Humidity

- Max. 95% non-condensing

Dimensions

- 100 x 81 x 39mm (3.93 x 3.18 x 1.53 in.)

Weight

- 371g (13.1 oz.)

Certifications

- CE
- FCC
- Shock (EN 60068-2-27)
- Freefall (EN 60068-2-31/2)
- Vibration (EN 60068-2-6)

Warranty

- 2-year

Package Contents

- TI-PGLC80
- Quick Installation Guide
- Removable terminal block
- DIN-Rail and wall mount kit

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.

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