



8-Port Industrial Fast Ethernet PoE+ DIN-Rail Mini Switch

TI-PELC80 (v1.xR)

- 8 x 10/100Mbps PoE+ ports
- 200W PoE+ power budget
- Hardened IP30 rated metal mini switch
- Extreme operating temperature range of -40° – 75°C (-40° – 167°F)
- 1.6Gbps 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 Fast Ethernet PoE+ DIN-Rail Mini Switch, model TI-PELC80, is a reliable and rugged networking solution designed for use in both extreme and demanding environments. This Industrial Fast Ethernet 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 Fast Ethernet 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 Fast Ethernet 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.



Fast Ethernet PoE+ Ports

Up to 200Mbps full-duplex per port and total switching capacity of 1.6Gbps with total power budget of 200W.



Industrial Hardened Design

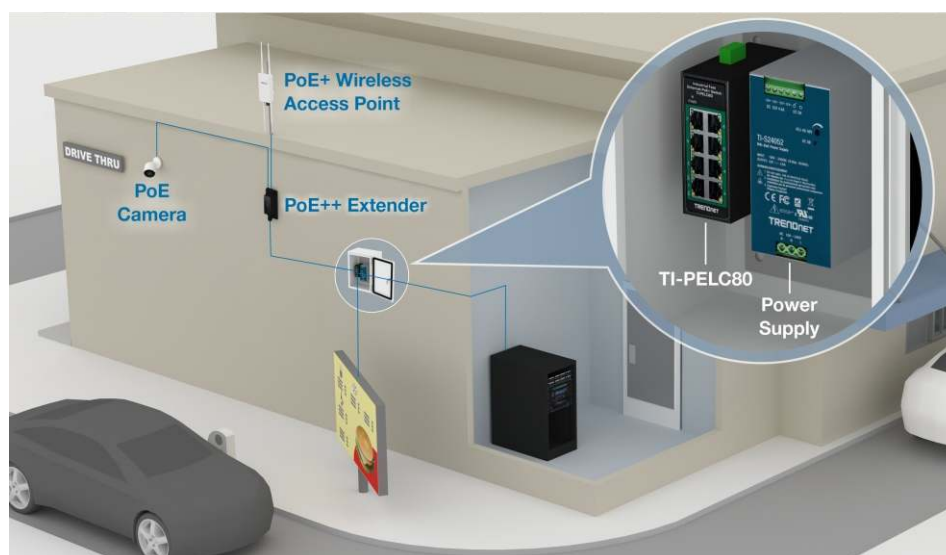
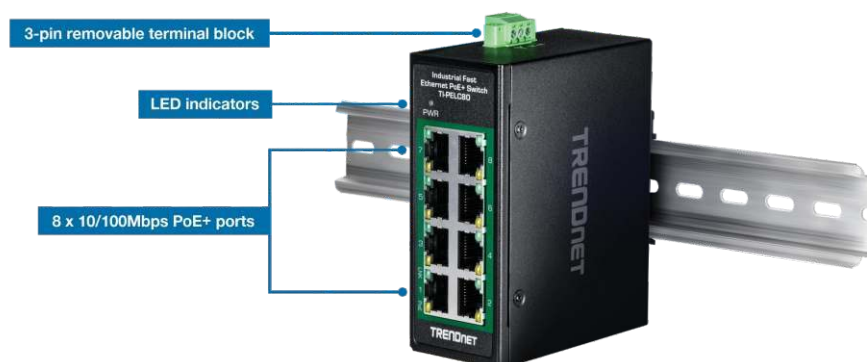
Equipped with a rugged IP30 rated housing, designed to withstand a high degree of vibration and shock, and operate within an extreme temperature range of -40° – 75° C (-40° – 167° F).



Mini Design

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

NETWORKING SOLUTION



FEATURES



Fast Ethernet Ports

Up to 200Mbps full-duplex per port and total switching capacity of 1.6Gbps



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



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 60068-2-31), 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 802.3af
- IEEE 802.3at

Device Interface

- 8 x 10/100Mbps PoE+ ports
- 3-pin removable terminal block
- LED indicators
- Data Transfer Rate
- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)

Performance

- Data RAM Buffer: 1MB
- Switching Fabric: 1.6Gbps
- MAC Address Table: 1K entries
- Forwarding rate: 1.19Mpps (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-S24052, TI-S24048 (sold separately)
- Max. consumption: 2.24W

PoE

- 802.3at: Up to 30W per port
- PoE budget: 200W
- Pin 1,2 for power+ and pin 3,6 for power-

Terminal Block

- 3-pin terminal block
- Wire range: 1.5mm²
- Solid wire (AWG): 16-28
- Stranded wire (AWG): 16-28
- Torque: 3 lb. – In / 0.2Nm
- Wire strip length: 6-7mm

MTBF

- 560,321 hours @ 50° 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 80.5 x 39mm (3.93 x 3.16 x 1.53 in.)

Weight

- 340g (12 oz.)

Certifications

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

Warranty

- 2-year

Package Contents

- TI-PELC80
- 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.