

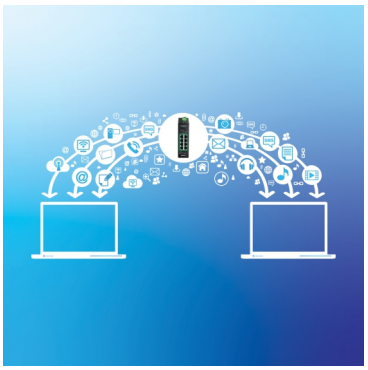
8-Port Industrial Fast Ethernet PoE+ DIN-Rail Mini Switch

TI-PELC80 (V2)

- 8 x 10/100Mbps PoE+ ports
- 240W full PoE power budget
- Hardened IP50 rated metal mini switch
- Redundant power inputs with overload current protection
- 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-S25052, TI-S24048, TI-S48048)
- 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 IP50 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 240W.



Industrial Hardened Design

Equipped with a rugged IP50 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 network switch is well-suited for installations into most environments.

FEATURES

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

Full PoE Power Budget
Up to 30W of power per port and data over a single Ethernet cable to PoE devices with a maximum 240W PoE budget

DIN-Rail / Wall Mounts
Switch can be mounted with the included DIN-Rail mount and wall mount hardware

IP50 Rated
This industrial switch is IP50 rated for ingress dust protection

Compact Housing Design
Compact and sturdy metal housing

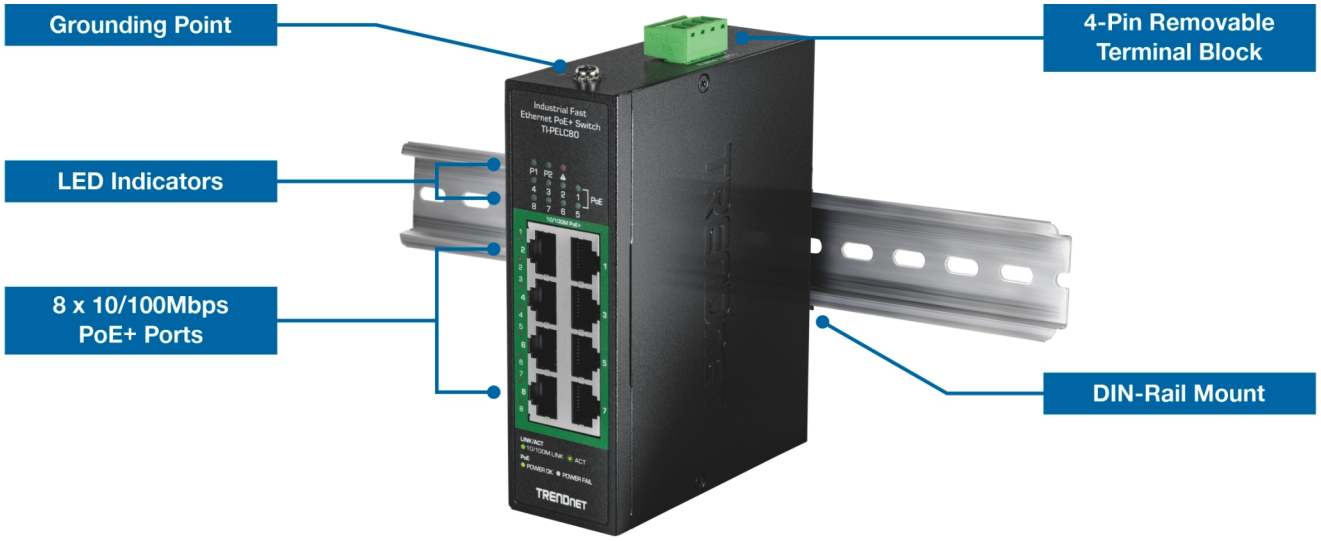
Operating Temperature Range
An operating temperature range of -40° – 75° C (-40° – 167° F) allows for the installation of the industrial switch in environments with extreme hot or cold conditions

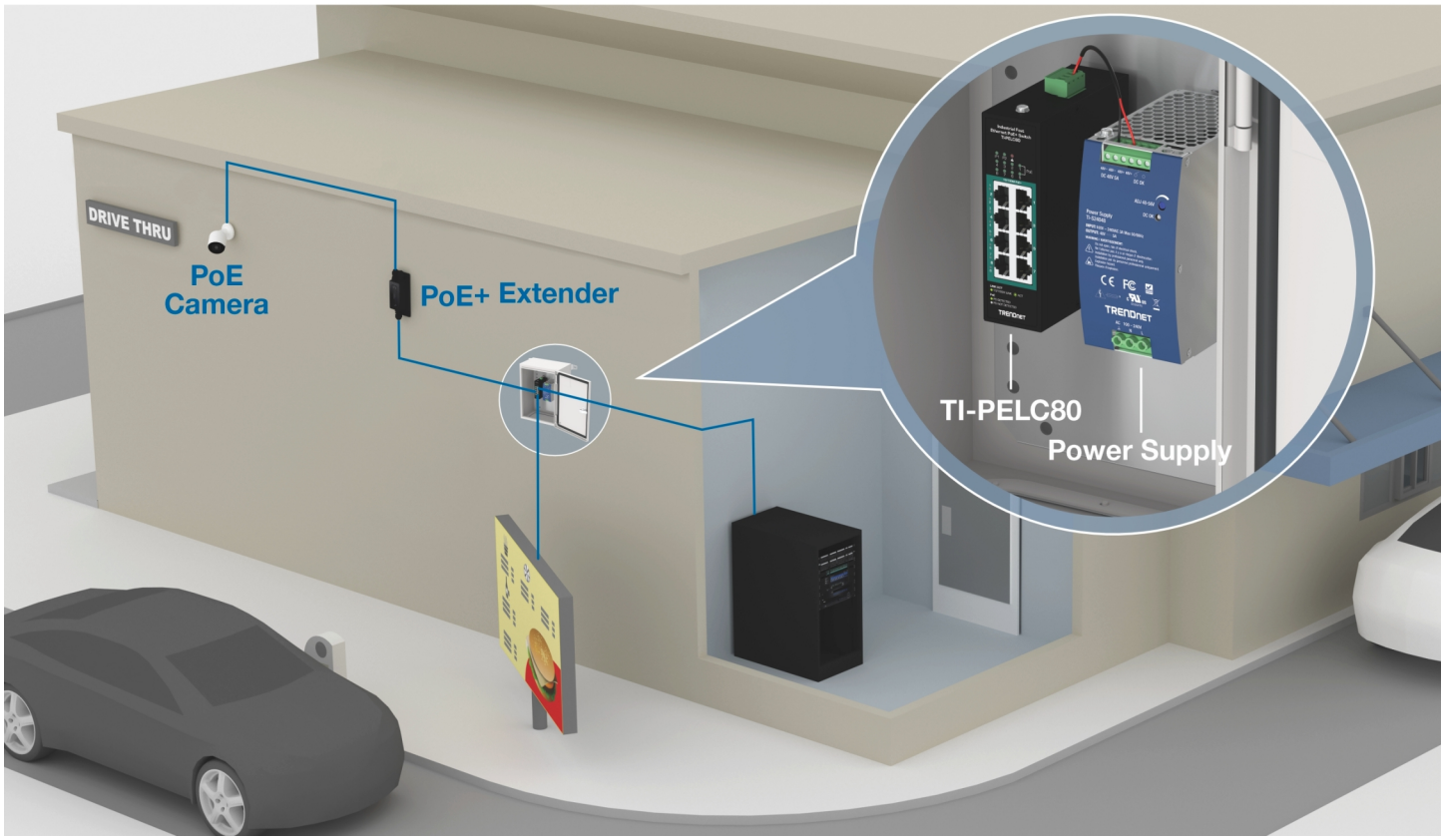
Shock and Vibration Resistant
Rated for shock (EN 60068-2-27), freefall (EN 60068-2-31), and vibration (EN 60068-2-6)

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: 6kV

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

NETWORKING SOLUTION





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
- 4-pin removable terminal block
- LED indicators

Performance
- Data RAM Buffer: 56KB
- Switching Fabric: 1.6Gbps
- MAC Address Table: 1K entries
- Forwarding rate: 1.19Mpps (64-byte packet size)

Power
- Input: 48 – 56V DC
- Compatible power supply: TI-S25052, TI-S24048 ,TI-S48048 (sold separately)
- Max. consumption: 2.31W (without PoE)

PoE
- 802.3at: Up to 30W per port
- PoE budget: 240W
- Mode A: pin 1, 2 for power+ and pin 3, 6 for power-

Terminal Block
- 4-pin terminal block
- Wire range: 1.5mm^2
- Solid wire (AWG): 12-28
- Stranded wire (AWG): 12-28
- Torque: 3 lb. – In / 0.56Nm
- Wire strip length: 6-7mm

MTBF
- 2,230,994 hours @ 25° C

Housing
- IP50 rated metal case
- DIN-Rail mount
- Wall mount
- Grounding point
- 6kV ESD protection
- 2kV Surge protection
- 6kV Surge RJ45 protection

Operating Temperature
- - 40° - 75° C (-40° - 167° F)

Operating Humidity
- Max. 95% non-condensing

Dimensions
- 127 x 101 x 39mm (5 x 4 x 1.54 in.)

Weight
- 487g (17.2 oz.)

Certifications
- CE
- FCC
- LVD
- IEC 61000-4-2
- IEC 61000-4-4
- IEC 61000-4-5
- Shock (IEN 60068-2-27)
- Freefall (IEN 60068-2-31)
- Vibration (IEN 60068-2-6)

Warranty
- 2-year

Package Contents
- TI-PELC80
- 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.

20675 Manhattan Place • Torrance • CA 90501 • USA • T: 1-888-326-6061 • sales@trendnet.com • www.TRENDnet.com

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