

PoE PSE Switches

Provide power to PoE devices in industrial or extreme environments.



FEATURES

- » Convenient six-port switches feature six 10-/100-Mbps RJ-45 ports or four 10-/100-Mbps RJ-45 ports plus two fiber ports or five 10-/100-Mbps RJ-45 ports plus one fiber port.
- » Four RJ-45 ports support 802.3af PoE.
- » Models with fiber ports enable you to extend your network over fiber optic cable.
- » Hardened versions feature an extended temperature range of -13 to +140° F (-25 to +60° C).
- » Extreme versions feature an extended temperature range of -40 to +167° F (-40 to +75° C).
- » Choose from AC powered or -48-VDC terminal-block power input.
- » Include Link-Loss-Learn (LLL) for self-healing LAN structures.

OVERVIEW

Tough

PoE PSE Switches from Black Box power remote PoE devices such as security cameras and wireless access points—even in industrial or harsh environments where temperature is an issue. Rugged metal cases serve as a heat sink to dissipate heat. Hardened switches have a temperature range of -13 to +140° F (-25 to +60° C); extreme switches have an even broader temperature range of -58 to +185° F (-50 to +212° C). Plus, the cases are sealed to resist contaminants such as dust, dirt, moisture, smoke, and insects.

A wide range of port options

These capable industrial switches are available with six 10-/100-Mbps copper ports, with five 10-/100-Mbps copper ports plus a 100-Mbps fiber uplink port, or with four 10-/100-Mbps copper ports plus two 100-Mbps fiber ports. Fiber ports are available with a variety of connectors, in single- or multimode, and with ranges of up to 20 kilometers. The switches provide 802.3af PoE power for up to four PoE PD devices on four RJ-45 ports.

To DIN rail mount a switch, order the DIN Rail Mounting Bracket (DIN-RAIL MC2).

Technically Speaking

DIN Rails.

A DIN rail is an industry-standard metal rail, usually installed inside an electrical enclosure, which serves as a mount for small electrical devices specially designed for use with DIN rails. These devices snap right onto the rails, sometimes requiring a set screw, and are then wired together.

Many different devices are available for mounting on DIN rails: terminal blocks, interface converters, media converter switches, repeaters, surge protectors, PLCs, fuses, or power supplies, just to name a few.

DIN rails are a space-saving way to accommodate components. And because DIN rail devices are so easy to install, replace, maintain, and inspect, this is an exceptionally convenient system that has become very popular.

A standard DIN rail is 35-mm wide with raised-lip edges, its dimensions outlined by the Deutsche Institut für Normung, a German standardization body. Rails are generally available in aluminum or steel and may be cut for installation. Depending on the requirements of the mounted components, the rail may need to be grounded.

TECH SPECS

Environmental — Operating temperature:

Hardened models: -13 to +140° F (-25 to +60° C);
Extreme models: -40 to +167° F (-40 to +75° C);

Storage Temperature:

Hardened models: 40 to +185° F (-40 to +85° C);
Extreme models: -58 to +185° F (-50 to +212° C);

Humidity: 5–95% noncondensing

CE Approval — Yes

Power — AC models: 100–250-VAC, 47–63 Hz internal power supply;

-48-VDC models: 48-VDC with terminal block;

Power consumption:

(6) RJ-45 models: 3.5 watts, 4 watts maximum,
plus 15.4 watts per PoE port, 66 watts maximum;

All other models: 7 watts, 8.5 watts maximum, plus 15.4 watts
per PoE port, 66 watts maximum

Size — AC models: 6"H x 5.5"W x 1.7"D (15.2 x 14 x 4.3 cm);

DC models: 3.6"H x 3"W x 1.7"D (9.4 cm x 7.6 cm x 4.3 cm)

Weight — AC models: 1.5 lb. (0.7 kg);

DC models: 0.6 lb. (0.3 kg)

Item

Code

PoE PSE Switches

Hardened

AC Powered

- (6) 10/100 RJ-45 **LPH240A-H**
- (5) 10/100 RJ-45, (1) Multimode ST **LPH240A-H-ST**
- (5) 10/100 RJ-45, (1) Multimode SC **LPH240A-H-SC**
- (5) 10/100 RJ-45, (1) Single-Mode SC **LPH240A-H-SSC**
- (4) 10/100 RJ-45, (2) Multimode SC **LPH240A-H-2SC**
- (4) 10/100 RJ-45, (2) Multimode ST **LPH240A-H-2ST**
- (4) 10/100 RJ-45, (2) Single-Mode SC **LPH240A-H-2SSC**

-48-VDC Terminal-Block Powered

- (6) 10/100 RJ-45 **LPH240A-H-48**
- (5) 10/100 RJ-45, (1) Multimode ST **LPH240A-H-ST-48**
- (5) 10/100 RJ-45, (1) Multimode SC **LPH240A-H-SC-48**
- (5) 10/100 RJ-45, (1) Single-Mode SC **LPH240A-H-SSC-48**
- (4) 10/100 RJ-45, (2) Multimode ST **LPH240A-H-2ST-48**
- (4) 10/100 RJ-45, (2) Multimode SC **LPH240A-H-2SC-48**
- (4) 10/100 RJ-45, (2) Single-Mode SC **LPH240A-H-2SSC-48**

Extreme

AC Powered

- (6) 10/100 RJ-45 **LPH240A-P**
- (5) 10/100 RJ-45, (1) Multimode ST **LPH240A-P-ST**
- (5) 10/100 RJ-45, (1) Multimode SC **LPH240A-P-SC**
- (5) 10/100 RJ-45, (1) Single-Mode SC **LPH240A-P-SSC**
- (4) 10/100 RJ-45, (2) Multimode SC **LPH240A-P-2SC**
- (4) 10/100 RJ-45, (2) Multimode ST **LPH240A-P-2ST**
- (4) 10/100 RJ-45, (2) Single-Mode SC **LPH240A-P-2SSC**

-48-VDC Terminal-Block Powered

- (6) 10/100 RJ-45, -48 VDC **LPH240A-P-48**
- (5) 10/100 RJ-45, (1) Multimode ST **LPH240A-P-ST-48**
- (5) 10/100 RJ-45, (1) Multimode SC **LPH240A-P-SC-48**
- (5) 10/100 RJ-45, (1) Single-Mode SC **LPH240A-P-SSC-48**
- (4) 10/100 RJ-45, (2) Multimode ST **LPH240A-P-2ST-48**
- (4) 10/100 RJ-45, (2) Multimode SC **LPH240A-P-2SC-48**
- (4) 10/100 RJ-45, (2) Single-Mode SC **LPH240A-P-2SSC-48**

You may also need...

DIN Rail Mounting Bracket

DIN-RAIL MC2