

Magnum PES42 PoE Edge Switches Configuration Guide

1.) **Select number of fiber ports.** All PES42 PoE Edge Switches have 6 ports—where 0, 1, or 2 non-PoE ports can be fiber. The other four RJ-45 ports are always PoE ports.

2.) **Select fiber port(s) type (if any)**

"ff" selections of the "fiber flavor":

- "ST"= 100BASE-FX-ST: fiber optic multi-mode with ST type, 2 km
- "SC"= 100BASE-FX-SC: fiber optic multi-mode with SC type, 2 km
- "SSC"= 100BASE-FX-SSC: fiber optic single-mode with SC, 20 km
- "SSCL"= 100BASE-FX-SSCL: fib. op. single-mode SC, "Long Reach" 40 km
- "SST"= 100BASE-FX-SST: fiber optic single-mode with ST type, 20 km
- "MTRJ"= 100BASE-FX-MTRJ: fiber optic multi-mode w/ MTRJ, 2 km
- "MLC"- 100BASE-FX-MLC: fiber optic multi-mode with LC-type, 2 km
- "SLC"- 100BASE-FX-SLC: fiber optic single-mode with LC-type, 20 km



3.) **Power type:** 48VDC

Notes: All models also include an external 12vdc terminal block.

4.) **Select either Hardened (H)** (-25° to +60°C) or **Premium (P)** (-40° to +75°C) for your application environment.

5.) **Examples:**

PES42P premium model with no fiber ports = **PES42P-48VDC**

PES42H hardened model w/ one multi-mode fiber optic port & an SC-type connector = **PES42H-1SC-48VDC**

PES42P premium model w/ two single-mode fiber optic ports with ST-type connectors = **PES42P-2SST-48VDC**

6.) **Mounting Hardware for Edge Switches (panel mount brackets are standard)**



[DIN-RAIL-MC2](#) DIN-Rail mounting hardware for "14-series" CS or MC or ES42/ESD42/PES42P Switches.

[MC14-TRAY](#) Rack-mount tray for "14-series" CS or MC or ES42/ESD42/PES42P Switches, 2.25"H, up to 16 units mix-match

To access GarrettCom web page with all of the Magnum PoE products, [click here](#).

To access the four-port Magnum PS14P and PS14H PoE Switches, [click here](#).

To access the IPS42 Power Supply Chassis for all ES42/ESD42/PES42 Edge Switches, [click here](#).

Model Number	Ambient Temp			Power Input						Mounting
	0° to +40° C	-25° to +60° C	-40° to +75° C	d,i AC external	Hd, Hi external +12V Term. Block	Pd, Pi AC +12V Term. Block	12V DC Term. Block	24V DC Term. Block	-48V DC Term. Block	
Hardened for the Factory Floor (ES42H-)										
 PES42H-ff-48VDC		X							X	X
Premium Rated for Outdoors (ES42P-)										
 PES42P-ff-48VDC			X						X	X

