

# Outdoor J-SWITCH PoE

## 5-Port PoE+ Ethernet Switch

The Hardened J-Switch PoE is a Unique 85-265VAC or 10-30VDC Powered 5-Port 10/100Mbps Ethernet Switch Providing 802.3af/at Compliant PoE & PoE+ Power

**Hardened  
PoE+ Switch**

4 - 802.3af/at Compliant Ports  
1 - Legacy PoE Port (0-57VDC)  
Legacy Port Pins 4-5 (Pos) 7-8 (Neg)  
NEMA 4X Fiberglass Enclosure  
Surge & Lightning Protection All I/O Pins  
Supplied with SS Mounting Brackets



**Ideal For Remote or  
Mobile PoE Applications**

Delivers 30 Watts at 12VDC In  
Delivers 60 Watts at 24VDC In  
-40C to +71C or +85C Operation  
2-Models (85-265VAC, 10-30VDC)  
PoE Output Power LEDs  
3.3 and 5.5V Input Power LEDs

### 5-Port PoE+ 10/100Mbps Ethernet Switch

The Outdoor J-Switch PoE 10/100Mbps Ethernet switch sets a new standard for small PoE+ Ethernet switches by being able to supply 30 watts of PoE power from a 12VDC source. If powered from 85-265VAC or 24VDC source, the switch can provide up to 60 watts of PoE power.

This hardened, rugged PoE switch is ideal for remote solar powered applications. It features enhanced surge and lightning protection using TVS surge suppressors on ALL I/O pins (Input Power and all 8 Pins of Each Ethernet Port). Built to survive!

Ports 2-5 are 802.3af/at PoE / PoE+ compliant. Port 1 allows legacy PoE power (non standard voltages) to be applied to Pins 4-5 (Pos) and 7-8 (Neg) ideal for powering products such as WiFi radios.

The hardened NEMA 4X fiberglass enclosure comes standard with a 1/2" metal conduit or PG16 fitting (PG 16 is for DC only models). Also provided is a copper grounding lug, stainless steel universal mounting brackets, and a pressure relief valve to insure positive door gasket sealing at all times.

### Ideal Solar Power Applications

**Remote Communication Towers**

**Remote Cameras**

**Wireless Repeater Installations**

**Mobile & Covert Applications**

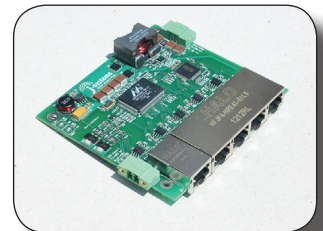
### The Perfect PoE+ Switch for Remote, Solar Powered, or Mobile Applications

#### FEATURES

- Designed for Harsh Environments (-40C to +71C or +85C)
- 4 - 802.3af/at Compliant PoE / PoE+ Ports
- 1 - 0-57VDC powered Port, Pins 4-5 (Pos), 7-8 (Neg)
- NEMA 4X Fiberglass Enclosure
- Capable of Delivering 30 Watts at 12VDC Input
- Capable of Delivering 60 Watts at 85-265VAC or 24VDC Input
- Surge and Lightning Protection Built In (ALL I/O Pins)
- Supplied With SS Universal Mounting Brackets
- Supplied with PG-16 Waterproof Glands - RJ45 Slips Through



Universal Stainless Steel  
Mounting Brackets



PCB J-Switch PoE+  
PC/104 Physical Size

**J-Systems, Inc.**

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Specifications Are Subject to Change Without Notice

## SPECIFICATIONS

### Outdoor J-Switch PoE

Ethernet Port 1	Accommodates Legacy PoE Systems Not Meeting Full 802.3af Specifications; Pins 4-5 (Pos), 7-8 (Neg) 0-57VDC Input
Ethernet Ports 2 thru 5	802.3af/at Compliant w/ Self-Resetting Fuses
PoE Power Output	30 watts @ 12VDC Input Voltage
	60 watts @ 24VDC or 85-265VAC Input Voltage
Ethernet Speed	10/100 Mbps Full Duplex Auto-Negotiated
AC Power Supply	24VDC @ 100W, Conformal Coated PCB, Lifetime Warranty
VLAN Support	Supports Port Based VLAN's
MDI/MDIX Support	Automatic MDI/MDIX Crossover 10BASE-TX & 100BASE-TX
Input Power LED's	5.5VDC and 3.3VDC LED's
PoE Output Power LED's	LED's On Ports 1-5 Activate When PoE Output Power Supplied
Size	Approx 9"W x 11"H x 6"D Fiberglass Enclosure - Screw Locked Door w/ Non-Metalic Hinges
Mounting Brackets	2-Stainless Steel Universal (Wall, Mast Or Pole) (Optional SS U-Bolts w/ Saddles And/Or Band Clamps Available)

### Operating Parameters

Operating Voltage	DC Model is 10-30 VDC or 85-265VAC Model
Operating Temperature	-40C to +71C With AC Power Supply (No derating required) -40C to +85C When DC Powered
Connectors	5-PG-16 Fittings and One Metal 1/2" Conduit Fitting
ESD Protection	TVS Surge Suppressors On All I/O Pins (225W On Power And PoE Pins And 500W On Tx/Rx Pins).  High Speed Data Line Protection Meets IEC 61000-4-2 (ESD) +/-15kV (air), +/-8kV (contact), IEC 61000-4-4 (EFT) 40A (5/50nS). IEC 61000-4-5 (lightning) 24A (8/20uS)
Acceptance Testing	Each Port Fully Tested Using a Fluke LinkRunner AT 2000

***J-Systems designs and builds harsh environment, remote, wireless, high resolution, pan-tilt camera systems with short or long range IR corrected, MP, power zoom lenses.***

***Options include cellular and WiFi communications, remote device control, IR illuminators, and stand alone solar power systems.***

***Our industry leading IP based PTZ controllers set new standards for remote IP control of pan-tilt positioners and power zoom lenses.***

***Custom systems with many options and capabilities are available.***

***Please Call for Engineering Assistance 630-627-3458***

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