

J-SWITCH PoE

5-Port PoE Ethernet Switch

The *J-Switch PoE* is a Unique 12-24VDC Powered 5-Port 10/100Mbps Ethernet Switch Providing 802.3af/at Compliant PoE & PoE+ Power

**Hardened
PoE Switch**

4 - 802.3af/at Compliant Ports

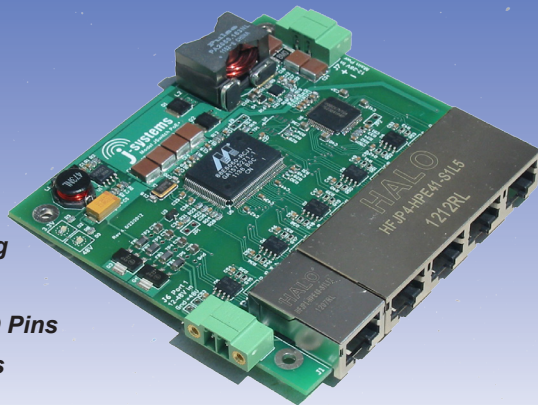
1 - Legacy PoE Port (0-57VDC)

Legacy Port Pins 4-5 Pos, 7-8 Neg

PC/104 Mounting

Surge & Lightning Protection All I/O Pins

Supplied with Mounting Stand Offs



**Ideal For Remote or
Mobile PoE Applications**

Delivers 30 Watts at 12VDC In

Delivers 60 Watts at 24VDC In

-40C to +85C Operation

Operates from 10-30VDC

PoE Output Power LEDs

3.3 and 55V Input Power LEDs

5-Port PoE 10/100Mbps Ethernet Switch

The *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 a 24VDC source, the switch can provide up to 100 watts of load power to 60C ambient.

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 (power, PoE, and data). 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 tiny footprint PCB conforms to the PC/104 mounting format and is supplied with stainless steel standoffs for easy back panel mounting. When used in a PTZ control system, this switch mounts directly above the PWM IP PTZ controller card.

Ideal Solar Power Applications

Remote Communication Towers

Remote Cameras

Wireless Repeater Installations

Mobile & Covert Environments

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

FEATURES

- Designed for Harsh Environments (-40C to +85C)
- 4 - 802.3af/at Compliant PoE / PoE+ Ports
- 1 - 0-57VDC powered Port, Pins 4-5 (Pos), 7-8 (Neg)
- Small Size, PC/104 Mounting Format
- Capable of Delivering 30 Watts at 12VDC Input
- Capable of Delivering 60 Watts at 24VDC Input
- Capable of Delivering 100 Watts at 24VDC to 60 C
- Surge and Lightning Protection Built In (ALL I/O Pins)
- Custom NEMA 4X Packaging Available



Remote PTZ
IP Cameras
Available for Medium
and Long Range
Observation

J-Systems, Inc.

1S 678 School Ave., Lombard, IL 60148 • T 630-627-3458 F 630-620-0960

Web Site: <http://J-Systems.com> • E-Mail: info@J-Systems.com

Specifications Are Subject to Change Without Notice

SPECIFICATIONS

J-Switch PoE

PSE Port 1	Accommodates legacy PoE systems not meeting full 802.3af specifications; Pins 4-5 (Pos), 7-8 (Neg) 0-55VDC Input
PSE Ports 2 thru 5	802.3af/at compliant w/ self-resetting fuses (Mode B Only)
Power Output	30 watts @ 12VDC input voltage up to 85C Operating Temp
	60 watts @ 24VDC input voltage up to 85C Operating Temp
	100 watts @ 24VDC-30VDC input voltage up to 60C Operating Temp
Ethernet Speed	10/100 Mbps full duplex auto-negotiated
VLAN Support	Supports port based VLAN's
MDI/MDIX Support	Automatic MDI/MDIX crossover 10BASE-TX & 100BASE-TX
Input Power LED's	55VDC PoE and 3.3VDC LED's

Operating Parameters

Operating Voltage	10-30 VDC
Operating Temperature	-40C to +85C (No derating required)
Connectors	2-Pin edge connectors with removable screw terminal headers
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), IED 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

Warranty Void if Used With Any AXIS Communications Products

J-Systems designs and builds harsh environment, remote, wireless, high resolution, pan-tilt camera systems with short or long range 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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