



global solutions :  
local support™

## Power Over Ethernet Power Supply / Inserter

The active POE splitter from Laird Technologies gives "carrier class" performance in a low cost system. With its IEEE 802.3af compatibility and advanced auto-sensing algorithm it will accept POE power from any IEEE 802.3af router or power supply. The overload and short circuit protection will shut down power immediately when a short circuit is detected without any damage to the POE system. Power (36 to 60V) is expected on ethernet pins 4/5 (V+) and 7/8 (V-) as per the IEEE 802.3af standard or pins 1,2,3,6 (Cisco Standard).

Using power over ethernet to power remote devices has several advantages including;

- The power supply can be centrally located where it can be attached to an uninterruptible power supply.
- Power can be supplied over long distances, up to 300 feet.
- Power can be available wherever network access is available
- The user has the ability to easily power on reset the attached equipment from a remote location.

The active POE splitter from Laird Technologies can be used by the original equipment manufacturer to supply power to remote equipment and devices without the expense of building in separate POE functionality into their equipment. These devices are a good fit for the industrial market for sensing and remote video applications.

For sales information:

Telephone 800-323-3757

E-Mail [sales@pacwireless.com](mailto:sales@pacwireless.com)

or visit: [www.pacwireless.com](http://www.pacwireless.com)

### Features and Benefits:

- IEEE 802.3af power over ethernet active splitter
- Choice of 5, 9, 12 or 24VDC regulated power
- 100MOhm / 1000VDC isolation
- Advanced auto-sensing intelligent algorithm
- Overload and short circuit protection
- Advanced switching technology – runs cool
- Complies with IEEE 802.3af POE standard
- FCC and CE approved
- Compatible with IEEE 802.3af routers including Cisco and Netgear

### Applications

- Remote routers, access points and bridges
- Remote networking equipment
- SOHO equipment
- IP camera systems
- VOIP systems
- IP phone systems

## Specifications

| Active Splitter with Isolation |  |
|--------------------------------|--|
| Input Voltage                  | 36 to 60VDC  |
| Output Voltage                 | POE-5s 5VDC@ 2.4A<br>POE-9s 9VDC @ 1A<br>POE-12s 12VDC @ .67A<br>POE-24s 24VDC @ .5A |
| Output Ripple                  | 1% Max   |
| Switching Frequency            | 100KHz Typ   |
| Line Regulation                | +/- 0.5%   |
| Load Regulation                | +/- 1%   |
| Isolation Voltage              | 1000VDC  |
| Isolation Resistance           | 100M Ohms (min)  |
| Input Set Class Resistance     | 25K Ohms   |
| Operating Temperature          | -10 to +60 deg C   |
| Storage Temperature            | -20 to +85 deg C   |
| Operating Humidity             | 5% to 90% non condensing   |
| Size (L x W x H)               | 3.25" x 3" x 1.5"<br>(83 x 76 x 38mm)  |
| Weight                         | 4.6oz (130gm)  |
| Data/POE IN Conn.              | RJ45 Socket  |
| Data OUT Conn.                 | 12" Cable with RJ45 Plug   |
| VDC OUT Conn.                  | 12" Cable with 5.5 x 2.1 x 12mm<br>Adapter Plug                                      |

| Compliance: |  |
|-------------|--|
| IEEE        | 802.3af POE Standard                   |
| EMI         | EN55022 ( CISPR22) class B<br>Meets CE |
| EMS         | EN61000-4-2,3,4,5,6,8,11               |

## System Ordering:

|             |   |
|-------------|---|
| POE-5s-afi  | 5VDC 2.4A Active 802.3af POE Splitter with isolation  |
| POE-9s-afi  | 9VDC 1A Active 802.3af POE Splitter with isolation    |
| POE-12s-afi | 12VDC .67A Active 802.3af POE Splitter with isolation |
| POE-24s-afi | 24VDC .5A Active 802.3af POE Splitter with isolation  |

## Notes:

- All shipments F.O.B. Schaumburg, IL 60173
- All antennas carry a 2 Year Warranty



Any information furnished by Laird Technologies and its agents is believed to be accurate and reliable. Responsibility for the use and application of Laird Technologies materials rests with the end user since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability, or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies domestic terms and conditions of sale in effect from time to time, a copy of which will be furnished upon request.

*Specifications subject to change without notice.*