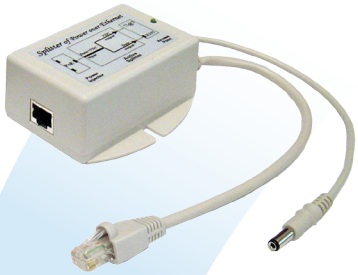
Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

POE-xxs-afi
Power-Over-Ethernet



POWER-OVER-ETHERNET

Power Supply / Inserter

The active Power-Over-Ethernet (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 60 V) 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 POE 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.

FEATURES AND BENEFITS:

- IEEE 802.3af POE active splitter
- Choice of 5, 9, 12 or 24 VDC regulated power
- 100 mohm / 1000 VDC 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 IEE 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
- WiMAX

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POE-xxs-afi
Power Over Ethernet

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

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

SYSTEM ORDERING:

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

NOTES:

- All shipments F.O.B. Schaumburg, IL 60173