Laird TECHNOLOGIES

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

POE-48i4s-AFI
Power-Over-Ethernet Injector

4-PORT POWER OVER ETHERNET INJECTOR

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.

FEATURES RoHS

- POE 4 way splitter is available for 48V, 24V, and 18V
- Compact and cost effective solution for remote ethernet terminal
- Plug-and-play
- Auto disconnection for over voltage and under voltage
- Independent over-current and short circuit protection on each port
- Individual port status indicators
- Support PoE power up to 24W for each PoE port.

MARKETS

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

global solutions: local support ™

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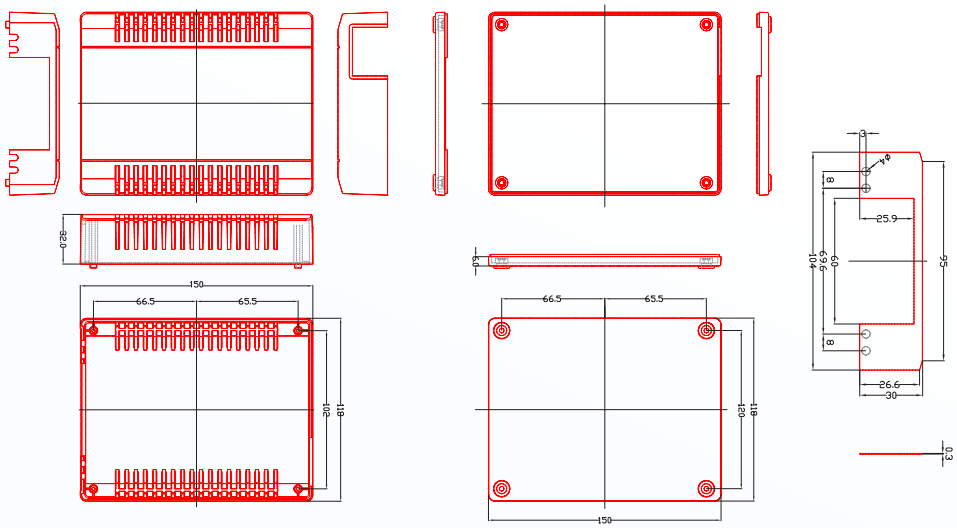
SPECIFICATIONS	48i4s-AFI	48i4s	24i4s	18i4s
No. of Ports	4 X legacy Ethernet ports input; 4 X PoE ports output			
802.3af compliant	Yes	No	No	No
Data Rates	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps
PoE Output	Pin Assignment and Polarity: 4/5 (+), 7/8 (-);			
Output Power Voltage:	-48V	-48V	-24V	-18V
Maximum per POE port (watts)	Up to 16.8W	Up to 24W	Up to 24W	Up to 18W
Maximum for all POE ports (watts)	67.2W	96W	96W	72W
AC Input Voltage	90 to 264 Vac	90 to 264 Vac	90 to 264 Vac	90 to 264 Vac
AC Input Current	1.6A @ 110 Vac /0.8A @ 220 Vac	1.6A @ 110 Vac /0.8A @ 220 Vac	1.6A @ 110 Vac /0.8A @ 220 Vac	1.2A @ 110 Vac /0.6A @ 220 Vac
AC Frequency	47 to 63 Hz	47 to 63 Hz	47 to 63 Hz	47 to 63 Hz
Dimensions	116 mm (W) x 150 mm (D)x 41 mm (H)			
Weight	420 g	420 g	420 g	420 g
AC Powered Indicators	Red	Green	Green	Green
Channel Powered Indicators	Green	Green	Green	Green
Channel Alarm Indicators	Red	LED off	LED off	LED off
Environmental Conditions	Operating Ambient Temperature: 0 to 60° C; Operating Humidity: Maximum 90%; Non-condensing Storage Temperature: –20 to 80° C; Storage Humidity: Maximum 93%, Non-condensing			
Certificate	CE, FCC, CB applying			
Plastic Case Material	PC			



PART NUMBERS

POE-48i 48VDC @ .35A POE Power Supply / Inserter
POE-24i 24VDC @ .8A POE Power Supply / Inserter
POE-18i 18VDC @ .9A POE Power Supply / Inserter
POE-12i 12VDC @ 1.3A POE Power Supply / Inserter
POE-24iR Reverse Polarity 24VDC @ .8A POE Power Supply / Inserter
(Pins 4/5 V-, Pins 7/8 V+)