Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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Laird TECHNOLOGIES

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

Gigabit POE Injector
POE-55iG-AFI

"CARRIER CLASS" POWER OVER ETHERNET SYSTEM

The POE-55iG-AFI is an advanced 802.3af compliant, non-proprietary power supply/injector. The power supply is autoranging on the input and has a regulated voltage output with overload and short-circuit protection. It functions with any equipment compliant with the IEEE 802.3af POE standards. The POE-55iG-AFI does not include the intelligent detection algorithms detailed in the 802.3af spec, meaning it will power up any device connected to it. The power is supplied on Ethernet pins 4/5 (V+) and 7/8 (V-) and comes complete with a standard North American 115 VAC power cord. International cords are available upon request.

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.
- The user has the ability to easily power on and reset the attached equipment from a remote location.
- There is no need to run additional power cabling to the device as power can be supplied over the CAT5 Ethernet cable.
- The power supply can power a remote device up to 300 feet away, limited only by the Ethernet standard.

FEATURES RoHS

- "Carrier class" power over Ethernet system
- Autoranging power supply/ injector
- Built-in Ethernet surge protection to prevent equipment damage
- Overload and short-circuit protection
- Minimum cross-talk and insertion loss
- Advanced switching technology – runs cool
- Powers clients that accept power on unused Ethernet pins 4, 5, 7, 8
- FCC and CE approved
- Current indicator (CI) option available

MARKETS

- Remote routers, access points, and bridges
- Remote networking equipment
- Remote camera systems
- 400 MHz to 10 GHz systems
- SOHO equipment
- IP phone systems
- WiMAX

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Gigabit POE Injector
POE-55iG-AFI

SPECIFICATIONS	
Input Voltage:	90 – 264 VAC @ 47 – 63 Hz
Input Current:	0.85 A @ 120 VAC 0.93 A @ 230 VAC
Efficiency:	78% min at Full Load, 120 Vac and 230 Vac Input Voltage
Output Voltage:	+55 V
Maximum Load:	0.55 A Min
Power	30 W
Minimum Load:	0.01 A Min
Output Noise:	1%
Output Ripple:	1%
Line Regulation:	1%
Load Regulation:	5%
Short Circuit Protection:	Output short GND terminal will not damage the power supply and will auto-reset. Input has fuse protection.
Safety Standards:	Meets UL1950, CSA 22.2 and TUV EN60950
EMC:	Meets FCC Class B , NE55022 Class B
Over Current:	120% ~ 160% @120 Vac Input F.L
Operating Temperature:	-25 to +65°C
Storage Temperature:	-40 to +80°C
Operating Humidity:	5% to 90%
Cooling:	Free air cooling
Size (L x W x H):	125 x 75 x 38 mm
LED (Green):	Include PWR-OK

Note 1: Noise bandwidth is from DC to 20 Mhz. Ripple & Noise is measured by Paralleling a 0.1 uF metalize capacitor on the test point.

Power Supply Inserter AC Power IN (90-264VAC)@120V/230

Power Supply Inserter Data IN

Power Supply Inserter Data/POE OUT

RJ-45 INPUT (DATA ONLY)			RJ-45 OUTPUT (DATA & POWER)	
Pin	Symbol	Description	Symbol	Description
1	RX+	Data Receive	RX+	Data Receive
2	RX-	Data Receive	RX-	Data Receive
3	TX+	Data Transmit	TX+	Data Transmit
4	Data	Data	+Vdc	power(+)+Data
5	Data	Data	+Vdc	power(+)+Data
6	TX-	Data Transmit	TX-	Data Transmit
7	Data	Data	-Vdc	power(-)+Data
8	Data	Data	-Vdc	power(-)+Data

Note : 1. DC output gnd and Vin+/- should not be shorted to ground(FG).