

Gigabit POE Injector POE-55iG-AFI

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



"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

global solutions: local support ™

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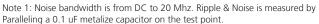
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SPECIFICATIONS			
Input Voltage:	90 – 264 VAC @ 47 – 63 Hz		
Input Current:	0.85 A @ 120 VAC 0.93 A @ 230 VAC		
Efficiency:	78% min at Full Load, 120 Vac and 230 Vac Input Voltage		
Output Voltage:	+55 V		
Maximum Load:	0.55 A Min		
Power	30 W		
Minimum 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.		
Short Circuit Protection.	the power supply and will auto-reset.		
Safety Standards:	the power supply and will auto-reset.		
	the power supply and will auto-reset. Input has fuse protection. Meets UL1950, CSA 22.2		
Safety Standards:	the power supply and will auto-reset. Input has fuse protection. Meets UL1950, CSA 22.2 and TUV EN60950 Meets FCC Class B ,		
Safety Standards: EMC:	the power supply and will auto-reset. Input has fuse protection. Meets UL1950, CSA 22.2 and TUV EN60950 Meets FCC Class B , NE55022 Class B 120% ~ 160% @120 Vac		
Safety Standards: EMC: Over Current:	the power supply and will auto-reset. Input has fuse protection. Meets UL1950, CSA 22.2 and TUV EN60950 Meets FCC Class B , NE55022 Class B 120% ~ 160% @120 Vac Input F.L		
Safety Standards: EMC: Over Current: Operating Temperature:	the power supply and will auto-reset. Input has fuse protection. Meets UL1950, CSA 22.2 and TUV EN60950 Meets FCC Class B , NE55022 Class B 120% ~ 160% @120 Vac Input F.L -25 to +65°C		
Safety Standards: EMC: Over Current: Operating Temperature: Storage Temperature:	the power supply and will auto-reset. Input has fuse protection. Meets UL1950, CSA 22.2 and TUV EN60950 Meets FCC Class B , NE55022 Class B 120% ~ 160% @120 Vac Input F.L -25 to +65°C -40 to +80°C		
Safety Standards: EMC: Over Current: Operating Temperature: Storage Temperature: Operating Humidity:	the power supply and will auto-reset. Input has fuse protection. Meets UL1950, CSA 22.2 and TUV EN60950 Meets FCC Class B , NE55022 Class B 120% ~ 160% @120 Vac Input F.L -25 to +65°C -40 to +80°C 5% to 90%		
Safety Standards: EMC: Over Current: Operating Temperature: Storage Temperature: Operating Humidity: Cooling:	the power supply and will auto-reset. Input has fuse protection. Meets UL1950, CSA 22.2 and TUV EN60950 Meets FCC Class B , NE55022 Class B 120% ~ 160% @120 Vac Input F.L -25 to +65°C -40 to +80°C 5% to 90% Free air cooling		



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).



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



Data IN

Power Supply Inserter Power Supply Inserter Data/POE OUT