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# POE-HP-xxi Power-Over-Ethernet Power Supply/Inserter



## “CARRIER CLASS” POWER OVER ETHERNET SYSTEM

The POE-HP-xxi is an advanced 802.3af compliant power supply/inserter. The power supply is autoranging on the input and has a regulated voltage output and it has overload and short circuit protection. The POE-HP-xxi is not a proprietary unit. It will function with any equipment which is compliant with the IEEE 802.3af POE standards. The POE-HP-xxi does not include the intelligent detection algorithms detailed in the 802.3af spec which means that the POE-HP-xxi will power up any device connected to it. The power is supplied on ethernet pins 4/5 (V+) and 7/8 (V-). The POE-HP-xxi 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

- High power (50W) output
- Auto ranging power supply / inserter
- Overload and short circuit protection
- Minimum cross talk and insertion loss
- Advanced switching technology – runs cool
- Complies with IEEE 802.3af POE standard

## 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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### SPECIFICATIONS

Input Voltage:	90 – 264 VAC @ 47 – 63 Hz
Input Current @ Full Load:	0.6 A @ 120 VAC 0.35 A @ 230 VAC
Efficiency:	80% Min.
Output Voltage:	POE-HP-50i 50 VDC @ 1A POE-HP-24i 24 VDC @ 2A
Minimum Load:	0.1 A Min
Output Ripple:	1% Max
Line Regulation:	1%
Load Regulation:	2%
Operating Temperature:	-15 to +60°C
Storage Temperature:	-40 to +85°C
Operating Humidity:	5% to 90% non condensing
Size (L x W x H):	4.88 x 2.88 x 1.47 in (124 x 74 x 38 mm)
Weight:	8 oz (227 gm)
AC Connector:	IEC 320 EN 60320 C13 (F)
Data IN Conn.:	RJ45 Shielded Socket
Data/POE OUT Conn.:	RJ45 Shielded Socket
LED:	(amber) Green

### COMPLIANCE

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

### 802.3AF POE POWER UP SEQUENCE

1. Detection – Look for 802.3af compliant signature
2. Startup – Ramp power safely
3. Operation – Continuously monitor for short circuit or overload

### SYSTEM ORDERING INFORMATION

POE-HP-50i 50 VDC @ 1 A POE Power Supply / Inserter (Includes AC Power Cord)

POE-HP-24i 24 VDC @ 2 A POE Power Supply / Inserter (Includes AC Power Cord)

### NOTES

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



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



Power Supply Inserter  
Data IN

Power Supply Inserter  
Data/POE OUT

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