



Smart Technology. Delivered.

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

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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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