



## Power Over Ethernet Power Supply / Inserter

### Features

- “Carrier Class” Power Over Ethernet System
- Auto Ranging Power Supply/ Inserter
- *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 which accept power on unused Ethernet pins 4,5,7,8
- FCC and CE Approved
- Current Indicator (CI) option available



POE-xxi  
Power Supply /  
Inserter

### Applications

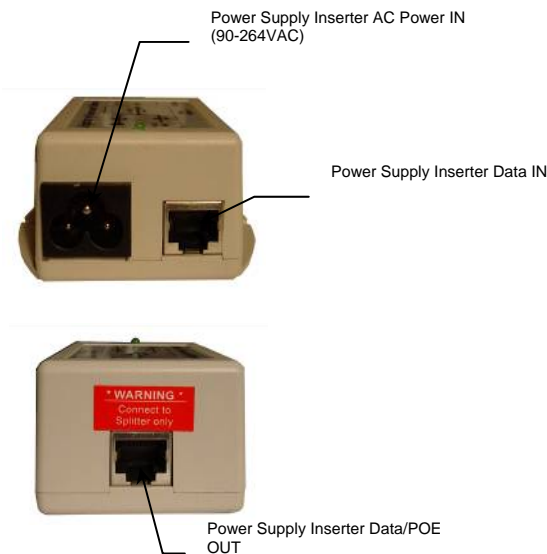
- Remote routers, access points and bridges
- Remote networking equipment
- SOHO Equipment
- IP Camera Systems
- 400MHz to 10GHz systems
- IP Phone systems

### Description

The POE-xxi is an advanced power supply / power inserter. The power supply is autoranging on the input and has a regulated voltage output. It has overload and short circuit protection in addition to Ethernet surge suppression built-in. The POE-xxi is not a proprietary unit. It will function with any equipment which is compliant with the IEEE 802.3af POE standards. For all “i” models the power is supplied on ethernet pins 4/5 (V+) and 7/8 (V-). For the “iR” models the power is supplied on Ethernet pins 4/5 (V-) and 7/8 (V+). The POE-xxi come complete with a standard North American 115VAC power cord. International cords are available upon request. A Current Indicator (-CI) model is available. The LED will be AMBER until >35mA current flows to the end device which will turn the LED to GREEN. This is a good way to remotely monitor the connection between the POE and the end device and indicate that the end device is turned on. To order this model add a “-CI” suffix to the standard part number.

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 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.



## Specifications – POE-xxi Power Supply/Injector

<b>Input Voltage</b>	90 – 264VAC @ 47 – 63Hz
<b>Input Current</b>	0.3A @ 120VAC 0.2A @ 230VAC
<b>Inrush Current</b>	<15A peak @ 120VAC <30A peak @ 230VAC
<b>Efficiency</b>	70% Min.
<b>Output Voltage</b>	POE-48i 48VDC @ 0.35A POE-24i 24VDC @ 0.8A POE-24iR 24VDC @ 0.8A POE-18i 18VDC @ 0.9A POE-12i 12VDC @ 1.3A
<b>Output Ripple</b>	1% Max
<b>Switching Frequency</b>	200KHz Typ
<b>Line Regulation</b>	+/- 0.5%
<b>Load Regulation</b>	+/- 1%
<b>Operating Temperature</b>	-10 to +60 deg C
<b>Storage Temperature</b>	-20 to +85 deg C
<b>Operating Humidity</b>	5% to 90% non condensing
<b>Size (L x W x H)</b>	3.25" x 3" x 1.5" (83 x 76 x 38mm)
<b>Weight</b>	5.2oz (147gm)
<b>AC Connector</b>	IEC-320 C6 (Supercom SC-14)
<b>Data IN Conn.</b>	RJ45 Shielded Socket
<b>Data/POE OUT Conn.</b>	RJ45 Shielded Socket
<b>LED</b>	(amber) Green
<b>Surge Protection</b>	Common Mode
<b>Clamping Voltage</b>	11V Data, 775V Power
<b>Max Surge Discharge Current</b>	1200A (8/20uS) Power
<b>Peak Pulse Current</b>	36A (10/1000uS) Data
<b>Shunt Capacitance</b>	<5pf Data
<b>Response Time</b>	<1nS

### Compliance:

<b>EMI</b>	EN55022 ( CISPR22) class B Meets CE
<b>EMS</b>	EN61000-4-2,3,4,5,6,8,11

### Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- All POE Products carry a 1 Year Warranty

### System Ordering:

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

**NOTE:** Add a “-CI” suffix to the std. part number for the Current Indicator Option

### For further information contact:



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