

Power Over Ethernet Power Supply

The POE-18i 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. cord. 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.



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.

Features

- Accepts 100-240 VAC 50/60 Hz input.
- USA plug only, use adapter for other international requirements
- 18 VDC output is connected to unused wires in the Ethernet cable to the radio.
- Allows a single cable connection to the radio module.
- Designed for use with the AW58100 family of 5.8 GHz outdoor 100/300 Mbps wireless Ethernet radios.
- Built-in ethernet surge protection to prevent equipment damage
- Auto ranging power supply/inserter

Technical specifications

PARAMETER	SPECIFICATION
Input Voltage	90 - 264VAC @ 47 - 63Hz
Input Current	0.3A @ 120VAC 0.2A @ 230VAC
Inrush Current	<15A peak @ 120VAC <30A peak @ 230VAC
Efficiency	70% Min.
Output Voltage	18VDC @ 0.9A
Output Ripple	1% Max.
Switching Frequency	200KHz Typ
Line Regulation	+/- 0.5%
Load Regulation	+/- 1%
Size (L x W x H)	3.25 x 3 x 1.5 in (83 x 76 x 38 mm)
Operating Temperature	-10 to +60 deg C
Storage Temperature	-20 to +85 deg C
AC Connector	IEC-320 C6 (Supercom SC-14)
LED	(amber) Green
Max Surge Discharge Current	1200A (8/20uS) Power
Response Time	<1nS

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

Contact us for more information

Corporate headquarters :: (866) 533.6216

Technical support :: (650) 384.0000

www.avalanwireless.com