

POE30-24 2.4GHz Power Over Ethernet Amplifier

Product Overview

The POE30-24 is an innovative RF amplifier designed to power both itself and an 802.3af compliant AP/Router through a single CAT-5 data cable. With its innovative design, Integrators can reduce the number of required cable runs, thus lowering their overall installation time and cost. The POE30-24 accomplishes this by eliminating the co-axial cable between the traditional amplifier and its DC power injector. By eliminating the intermediate coaxial cable, precious dB's are recovered resulting in a cleaner signal and greater range.

The POE30-24 comes complete with DC injector* and 802.3af compliant 48V@.83A (40W) power supply.

** The DC injector is available in both 802.3af and Cisco standards.*

Ideal Solution For:

- **Hospitality Buildout**
- **Wireless Internet Service Provider**
- **Bridge Link Between Networks**

Applications

- WLAN 802.11b & b+
- WLAN 802.11g & 802.11superG
- DSSS on the ISM Band
- Bluetooth

Features

- Extremely Fast Switching Speed
- High Gain and Low Noise
- Low Power Consumption
- Power Over Ethernet 802.3af Compliant
- Compact Size
- PWR/Tx/Rx Diagnosis Lights
- N-type Female Connectors

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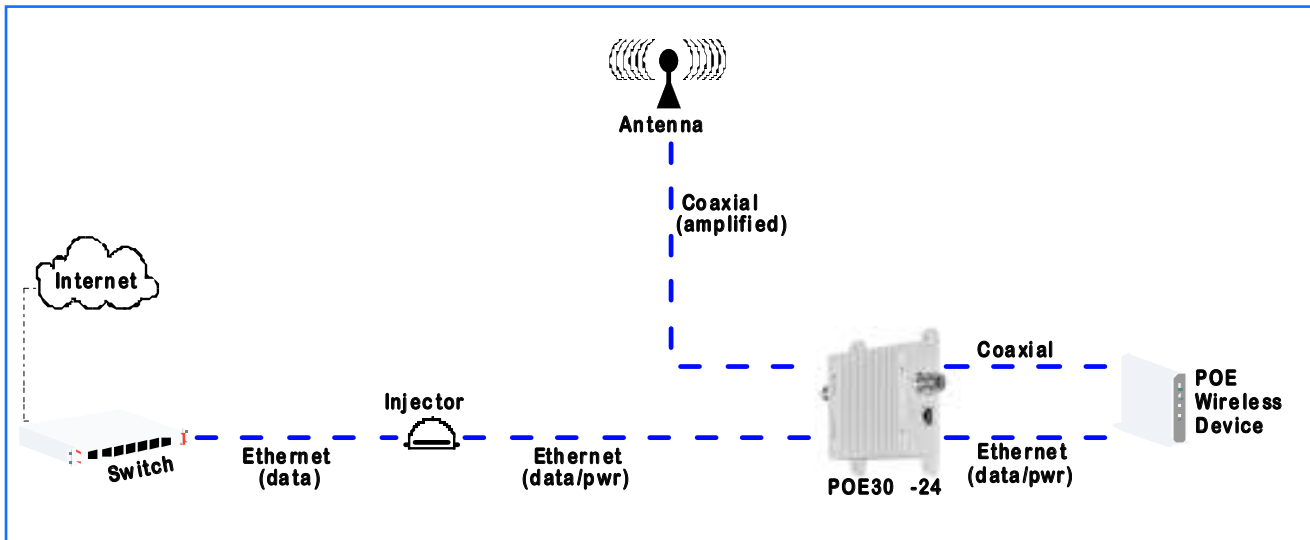
Specifications - POE30-24 Signal Booster Module

Model Number	POE30-24
Frequency Band	2.4 ~ 2.5 GHz
Signal Type	DSSS
TR Switch Time	< 1μsec
Rx Max. Input Power	-10 dBm
Rx Power Gain	20 dB max.
Tx Input Power	+5 dBm ~ +20 dBm
Tx Linear output Power	1000 mW / +30 dBm max.
Diagnosis LED	PWR@Green, Tx@Red, Rx@Blue
DC Supply Voltage	48V DC
Operating Temperature	-0 ~ +40 °C

Absolute Maximum Ratings

- Supply Voltage 48V
- Rx Input power -10 dBm
- Tx Input power +20 dBm
- Operating Temperature -0 ~ +50 °C
- Storage Temperature -40 ~ +90 °C

POE30-24 Sample Installation Diagram



NOTE: RF Coaxial Cables and CAT-5 Cables are not included.

