



802.11a 500mW Outdoor Amplifier

5.8 GHz

Designed for extending the range of 5.8 GHz wireless radio devices, the Smart-Amp is particularly effective when used with Direct Sequence or Frequency Hopping Spread Spectrum radio modems. The unit provides the transmit power amplification as well as receive signal gain.

The built-in dynamic power sensor in SmartAmps adjusts the Radio Frequency (RF) power output level by reading the input signal power. This auto gain adjustment delivers the maximum output power at various input levels while keeping the distortion at a minimum.



Item#12-508

Technical Information

Features	500mW Outdoor
Operating Range	5725 - 5875 MHz
Operating Mode	Bi-directional, TDD
Transmit Gain	> 17dB
Frequency Response	± 1 dB
Output Power	500mW (27dBm) @ 10dBm input
TX Input Power	1mW (0dBm) min, 10 mW (10dBm) max
Receiver Gain	12 dB typical
Noise Figure	3.5 dB typical
LED Indicators	RED: Solid On: Power and Receiving mode Off: No Power GREEN/ORANGE: Blinking: Transmitting
Connectors	N-type Female
Lightning Protection	Direct DC ground at antenna
DC Surge Protection	600 Watts TVS @ 12VDC
Power Consumption	1.5A @ 12VDC
Operating Temperature	-30 °C to + 70 °C

FCC NOTICE

The use of all radio equipment is subject to radio regulations in each country. It is the responsibility of the purchaser/installer/operator to insure that only approved equipment/systems are deployed. For the ISM band (900MHz, 2.4GHz, 5.7GHz) equipment manufactured, sold/or used in the USA, FCC Title 47, Part 15 governs the sale, lease, use and manufacture of equipment (wireless LAN cards, wireless Access points, amplifiers, etc.) and prohibits the same unless such equipment is used in the FCC-certified system configuration with which such equipment is authorized.