



SmartAmp™ 900MHz 1 Watt

900MHz

Designed for extending the range of 900 MHz wireless radio devices, the SmartAmp™ 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.

Full output power of 1W is achieved with only 4mW input to the amplifier. Above 4mW input, the SmartAmp attenuates the input signal power and maintains the output power typically at 1W. Substantial discounts available for OEMs and large volume purchases. Also available in 2.4 & 5.8GHz versions.

Technical Information

Features	1Watt
Operatin Range	902-928 MHz
Operating Mode	Bi-Directional, TDD
Transmit Gain	up to 24dB
Frequency Response	+/- 1dB
Output Power	1 Watt (+30dBm)
TX Input Power	0 dBm min, 23 dBm max
Receiver Gain	16 dB typical
Noise Figure	3.5 dB typical
LED Indicators	RED: Solid On: Power and Receivng mode Off: No Power GREEN/ORANGE: Blinking: Transmitting
Connectors	N-type Female, 50 Ohm
Lightning Protection	Quarter Wave Technology
DC Surge Protection	Available
Power Consumption	Tx = 1.2A, Rx = 130 mA @ 9VDC
Operating Temperature	-40 °C to + 70 °C
Dimensions:	4.25" L x 3.25" W x 1.75" H



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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.