

## LP-PA2420 Outdoor 2.4 GHz 2 Watt RF Amplifier.

LPPA2420\_SS\_ENB01W

### Features

- High gain, high level and high performance/ Auto gain signal amplifier.
- Amplify an AP's radio signal up to 33 dBm.
- Extend the coverage of a broadband wireless application, e.g.: WiFi service
- Increase AP's receiving sensitivity up to -100 dB.
- Increase the radio communication range by providing transmission gain as well as low-noise receiving gain.
- Strong aluminium weatherproof case. (It has to be properly installed and the connectors sealed with self-vulcanizing rubber tape).
- Simply connect the DC injector in the path of the RF signal coming from the 2.4 GHz radio, and the cable will power and feed the 2.4 GHz RF signal to the amplifier through N-type connectors.
- In the benefits provided by this signal amplifier are the savings of a lot of wiring costs and the easiness to install on the infrastructure, being it for home or business use.



## LP-PA2420 Outdoor 2.4 GHz 2 Watt RF Amplifier.

The LP-PA2420 is a solid and sealed outdoor unit, made entirely of die cast aluminum, or designed to work on the 2.4 GHz range and conceived to give a massive 33 dBm boost (2 Watt) in that range of frequencies for a standard 802.11 b/g wireless signal. This means that your AP or Wireless Router can easily reach large distances in a point to point scenario with a high gain LanPro antenna on a open space setup.

The distance or range depends on the location, weather conditions, the gain of the antenna used, and other considerations. A good gain antenna like the LP-PAR2424, with 24 dBi gain can provide many kilometers of point to point coverage with this product.

This product comes with through the RF cable remote power injector, making it ideal for any outdoor configuration. Like all of the LanPro products, this unit is designed to give you many trouble-free years of service.

Please check our web site [www.lanpro.com](http://www.lanpro.com) for the antennas and accessories associated with this product.

Specifications	
Operating Range	2400~2500 MHz
Operating Modes	Bi-directional, half-duplex, auto-switching via carrier sensing
Connector Type	N-type, female (50 $\Omega$ )
Transmit Gain	18~24 dB
Tx Input Power	0 ~20 dBm
Output Power	2 W (33 dBm) nominal
Receiver Gain	15 dB typical
Noise Figure	3.5 dB typical
Frequency Response	$\pm 1$ dB over operating range
Power Adaptor	7~9V /DC 110/220V /AC auto switching AC Adapter for DC Injector
Operating Temp	-20 to + 70°C
Operating Humidity	Up to 95% relative humidity
Booster material	Cast Aluminum
Lightning Protection	Direct DC ground at antenna connector
DC Surge Protection	At DC input from transmission cable
Dimensions	Outdoor Unit (cm) 11.5 (L) x 6.5 (W) x 4.8 (H) DC Injector (cm)10.2 (L) x 3.6 (W) x 2.6 (H)
Package Contents	1x LP-PA2440 bi-directional amplifier 1x DC Injector 1x 7 ~ 9 V/DC 110/220 V/AC 1x SMA Male RP to N male RG316 cable 1x Installation Guide
Package Weight	< 3 lbs

## A How to order

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