

## **RP-WR1201G**

### **Wireless 2.4GHz Auto-Gain Booster**

The RP-WR1201G is a powerful outdoor solution designed to enhance 2.4GHz wireless LAN performance. This bi-directional amplifier is easy to install with its plug-and-play setup and works seamlessly with indoor wireless access points, extending their range and improving signal quality.

Ideal for various 2.4GHz devices, including Frequency Hopping and Direct Sequence Spread Spectrum modems and IEEE 802.11b/g devices, this amplifier boosts both transmission power and reception sensitivity. Its high gain and low-noise design maximize wireless communication range while maintaining clear and stable connections.

With features like lightning protection, low power consumption, and lightweight construction, the RP-WR1201G ensures reliable, long-distance connectivity. It reduces ambient noise, provides superior signal strength, and is perfect for point-to-point wireless setups, offering high performance with minimal energy usage.



### **Features**

- High Switching Speed: Fast response for dynamic communication.
- Power Gain Controller: Optimizes signal strength automatically.
- High Gain, Low Noise: Extends range while reducing interference.
- DC Power Injector: Combines power and data in one cable.
- Low Power Consumption: Efficient energy usage.
- Low Heat Generation: Minimizes heat for stable performance.
- Maximum Broadband Distance: Expands wireless range and bandwidth.
- High Gain and Performance: Boosts signal quality and strength.
- Point-to-Point Connectivity: Supports long-distance wireless links.
- Noise Reduction: Reduces interference for clearer signals.
- Lightning Protection: Guards against electrical surges.
- Wide Compatibility: Supports WLAN 802.11b/g, Bluetooth, ISM Band.
- 15.0 V Supply Voltage: Operates on a stable power supply.
- Light Weight: Easy to install and handle.

## Specifications

Frequency Band	<ul style="list-style-type: none"><li>• 2.4GHz ~ 2.5GHz</li></ul>
Frequency Band	<ul style="list-style-type: none"><li>• OFDM&amp;DSSS</li></ul>
TR Switch Time	<ul style="list-style-type: none"><li>• &lt;1μsec</li></ul>
Rx. Max Input Power	<ul style="list-style-type: none"><li>• -10 dBm</li></ul>
Rx Power Gain	<ul style="list-style-type: none"><li>• 20dB max</li></ul>
Tx Input Power	<ul style="list-style-type: none"><li>• 5~20dBm</li></ul>
Tx Linear Output Power	<ul style="list-style-type: none"><li>• 1W @ 11g</li><li>• 2W @ 11b</li></ul>
DC Supply Voltage	<ul style="list-style-type: none"><li>• DC 12V / 1A</li></ul>
RF Connector Type	<ul style="list-style-type: none"><li>• N Female</li></ul>
Operating Temperature	<ul style="list-style-type: none"><li>• -10 ~ +40 °C</li></ul>
Storage Temperature	<ul style="list-style-type: none"><li>• -40 ~ +90 °C</li></ul>

## Ordering information

**RP-WR1201G**      Wireless 2.4GHz Auto-Gain 2W Booster