

IEEE 802.11 b/g 2.4 GHz Indoor Pen Booster



This is compact size signal booster. It can add strength of the radio signal to increase the effective range and coverage area for Wi-Fi communication. Simply screw mount to the AP/Router RP-SMA connector no extend cable needed. It is ideal for detachable 2.4GHz antenna equipments.

Installation Diagram



Specification

Operating Range	2400~2500 MHz
Operating Mode	Bi-directional, half-duplex, time division duplex senses RF carrier from transmitter and automatically switch receiving to transmitting mode
Connector Type	L type RSMA+ RSMA Receptacle (50 ohm)
Input power	0~15dbm (warning: Input power more than 15 dBm that power amplifier may breakdown)
Transmit Gain	13 ~ 14 dB
RF Output Power	500mW (27 dBm at 15 dBm RF input power) 100mW (20 dBm at 6 dBm RF input power)
Receiver Gain	12 dB
Noise Figure	3.5dB typical
Frequency Response	± 1dB over operating range
Power Adaptor	DC 5V /1A 105~240V for AC Adapter
DC Jack Plug	2.8 x 0.7 x 12 mm
Operating Temp.	-20 to +70°C
Operating Humidity	Up to 95% relative humidity
LED	DC Power (Yellow), Transmit Active (Red)
PCBA	60mm(L) x 20mm(W) 1.0mm(H)
Housing	118mm(L) x 25.5mm(W) x 16mm(H)
Weight	21.5g

Package contents

500mW Pen Boster Package:

- 1.3dBi dipole antenna 2.4G
- 2.500mW Pen Booster 802.11b/g
- 3.Power Adapter
- 4.Carry Bag



Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- . Reorient or relocate the receiving antenna.
- . Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.