

User Manual

WiFi-AC Booster

IE-1200M

Innovative Energy

FCC ID: 2AWKO-IE1200M



Feature

- Extends 2.4 and 5 GHz WiFi signals from existing WiFi routers for better range
- Dual band WiFi up to 1200Mbps
- MU-MIMO for simultaneously streaming to multiple devices
- High power amplifiers and external antenna array increase range
- FastLane technology improves performance using both WiFi bands
- Convenient wall plug design for easy, discreet placement
- Works with any WiFi router

**Router
Mode**



**Repeater
Mode**



**AP
Mode**



**Client
Mode**



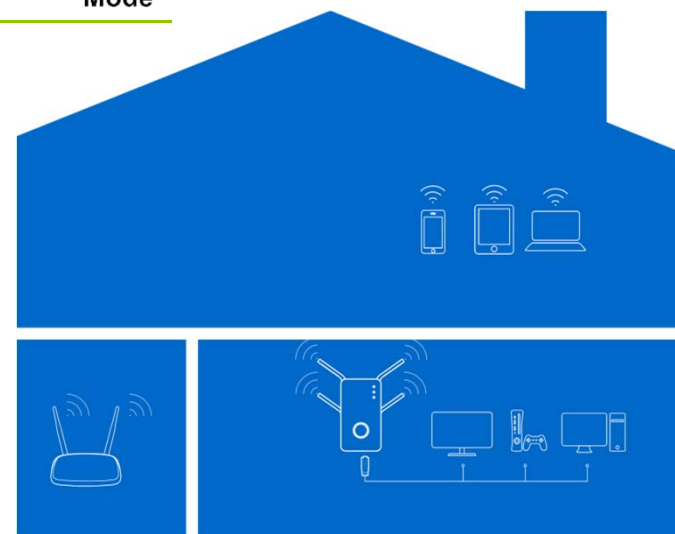
**WISP
Mode**



867 Mbps



300 Mbps



High Speed Wi-Fi Extension Easier than Ever





Get the whole-home connectivity you need for iPads®, smartphones, laptops, & more. Boost the range of your WiFi network to every corner of your home for maximum WiFi performance.

- Dual band WiFi up to 1.2Gbps.
- MU-MIMO for simultaneously streaming to multiple devices.
- Works with any WiFi router.

EXTEND | EXTREME RANGE & PERFORMANCE

- Extreme dual band WiFi speed — up to 1.2Gbps
- External Antennas for Better Range
- Beamforming+ improves wireless range and reliability
- Access Point mode creates a WiFi hotspot using a wired Ethernet connection



STREAM | ULTIMATE CONNECTIVITY

- MU-MIMO allows you to go faster by simultaneously streaming to multiple devices
- FastLane technology improves performance using both WiFi bands
- Lan port to connect to wired devices like smart TVs and game consoles to WiFi

HARDWARE FEATURES

Interface	1x10/100M Wan Port 1x10/100M Lan Port
Button	WPS button, Rester button
LEDs	WPS, Signal
Dimensions (W x D x H)	122×79×40mm
Antenna	2 x 5G External Antenna 2 x 2.4G External Antenna
Plug Type	EU、US、UK
Power Supply	Input: AC:100~240V; 50/60Hz Output: 5.0V 1.0A

WIRELESS FEATURES

Wireless Standards	IEEE 802.11ac, IEEE 802.11a, IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Frequency	5GHz 2.4GHz
Signal Rate	5GHz: Up to 867Mbps(dynamic) 2.4GHz: Up to 300Mbps(dynamic)
Transmit Power	<20dBm (EIRP)
Modes	Router, AP, Repeater, WISP
Wireless Security	Support 64/128 bit WEP, WPA-PSK/WPA2-PSK, 802.1x
Modulation Technology	DBPSK, DQPSK, CCK, 16-QAM, 64-QAM, 256-QAM

OTHERS

Package Contents	1 x 1200M Dual Band WIFI Router AC09 1 x RJ45 Cable 1 x Quick Installation Guide
Environment	Operating Temperature: 0° C~40° C (32° F~104° F) Storage Temperature: -40° C~70° C (-40° F~158° F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing

Caution:

This device complies with Part 15 of the FCC rules and Industry Canada license-exempt RSS standard(s). 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.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or change to this equipment. Such modifications or change could void the user's authority to operate the equipment.

This radio transmitter (identify the device by certification number or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

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 or more 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.

The device has been evaluated to meet general RF exposure requirement.

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

5G

For 5150-5250 frequency band,

Operations in the 5150-5250 band are restricted to indoor usage only.

5G:

Any emission is maintained within the band of operation under all conditions of normal operation. The max. frequency stability is less than 20ppm.