1200Mbps 802.11ac Dual Band Wall Plug Wi-Fi Range Extender

Concurrent Dual Band and 11AC Wireless Range Extension

PLANET WRE-1200, an **11ac** Dual-band Wi-Fi Range Extender with universal wall plug design, is case-shaped, thus making it easy to install and connects to your router wirelessly. The WRE-1200 supports **Gigabit** Ethernet connectivity and conforms to IEEE 802.11a/b/g/n/ac Dual Band standard technology; therefore, it can provide a wireless speed of up to **300+867Mbps** which is 16x faster than the 11a access point at 5GHz frequency and 5.5x faster than the 11g access point at 2.4GHz frequency. With **concurrent dual-band** Wi-Fi transmission capability, the WRE-1200 is more flexible than the traditional repeater that only utilizes single band for range extension in that it can quickly and easily extend high-speed 11ac 5GHz and 11n 2.4GHz wireless networks simultaneously.

Eliminating Dead Zones and Doubling Wi-Fi Coverage

With the WRE-1200, Wi-Fi coverage can be doubled to the point where dead zones can be eliminated. Plug the WRE-1200 directly into an electrical outlet and double the signal coverage of your Wi-Fi network for better Wi-Fi quality across different rooms or multiple floors in your home.
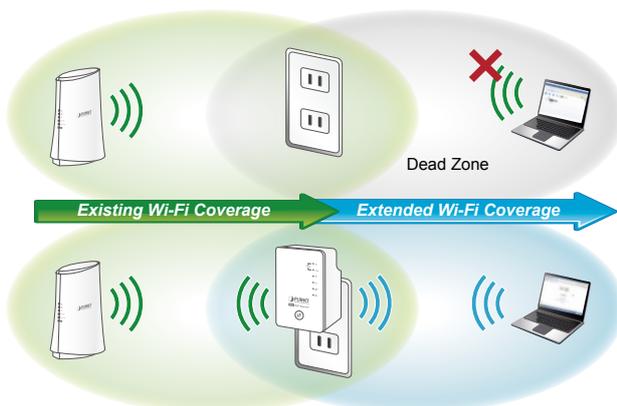
IEEE Compliant Wireless LAN & Wired LAN
- Compliant with IEEE 802.11a/b/g/n/ac dual-band (2.4G & 5G) wireless technology capable of having a data rate of up to 300+867Mbps
- Equipped with 10/100/1000Mbps RJ45 port for LAN, auto MDI/MDI-X supported

Wireless Network Range Extender
- Multiple Wireless Modes: AP, Client and Universal Repeater
- Supports concurrent dual band range extension
- Supports WMM (Wi-Fi Multimedia), wireless QoS
- Supports wireless roaming enables clients seamlessly handover between APs.

Secure Network Connection
- Supports Wi-Fi Protected Setup (WPS)
- Advanced security: 64/128-bit WEP, WPA/WPA2 and WPA-PSK/WPA2-PSK (TKIP/AES encryption)
- Supports MAC address filtering

Easy Installation & Management
- Web-based UI and Quick Setup Wizard for easy configuration
- System status monitoring includes DHCP Client and System Log

Flexible Usage & Compact Design
- Portable and wall-plug design
- Hardware switchable operation modes: AP/Repeater/Client
- Easy sync by one-touch Wi-Fi Protected Setup (WPS)

More Flexibility and Mobility

The WRE-1200 can operate in various applications with the hardware mode DIP switch including **AP**, **Repeater** or **Client**, which helps to immediately set up a wireless network without software configuration. With various operation modes, it can be quickly deployed in any place without good wireless signal. Furthermore, it can extend the existing wireless network coverage by utilizing the dual frequency bands, which not only strengthen the Wi-Fi signal but also increase the efficiency of 11ac high speed at farther distance, thus providing better actual user experience.
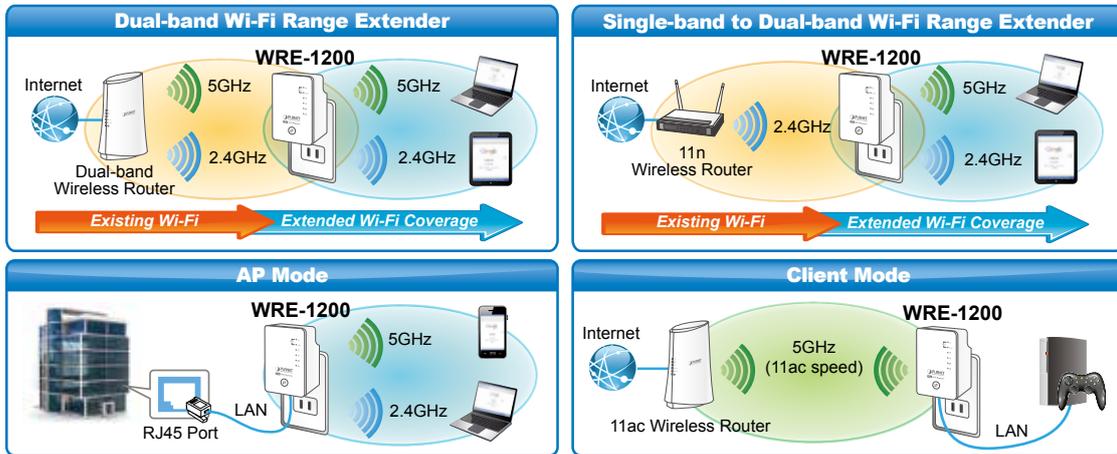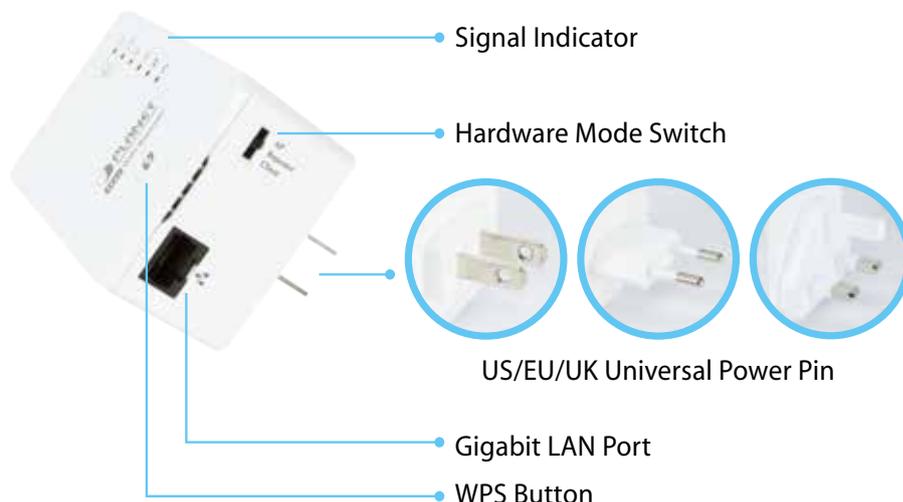

One-touch Secure Wi-Fi Extension

In order to simplify security settings for home and SOHO network, the WRE-1200 supports **W**i-Fi **P**rotected **S**etup (**WPS**). Just push the WPS button and the secure connection between the WRE-1200 and the existing wireless router can be built immediately, which offers users a convenient and fast method to construct a secure wireless network.

One-touch Wi-Fi Range Extension
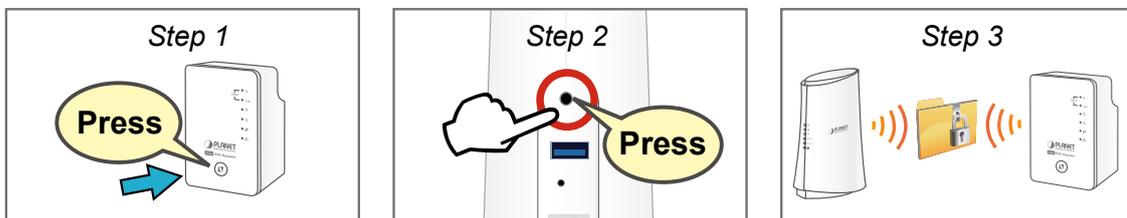
Easy to Set Up with Compact Wall-Plug Design

Designed in the shape of a wall plug, the WRE-1200 is easily plugged into a wall outlet for wireless access in any place. With its brick-sized, integral male plug (Type of power pin required), the WRE-1200 takes the modern form factor that makes it easy to blend into any interior design.

Signal Indicator

Hardware Mode Switch

US/EU/UK Universal Power Pin

Gigabit LAN Port

WPS Button

Smart Signal-Strength Indicator

By observing the smart signal indicator, user can check the current signal strength and optimize the wireless performance with the WRE-1200, thus making your home entertainment devices wirelessly operational with ease.

Applications

Simultaneous Dual Band Wireless Connectivity

Since there are more and more wireless applications and electrical devices using the radio frequency of 2.4GHz, the wireless channel of 2.4GHz has been already too crowded for clients to enjoy the high-speed wireless connection. In order to avoid the wireless interference between each other, PLANET WRE-1200 provides users with the radio frequency of 5GHz for watching HD videos or playing online games. At the same time, it enables other users to surf the Internet via the original radio frequency of 2.4 GHz.
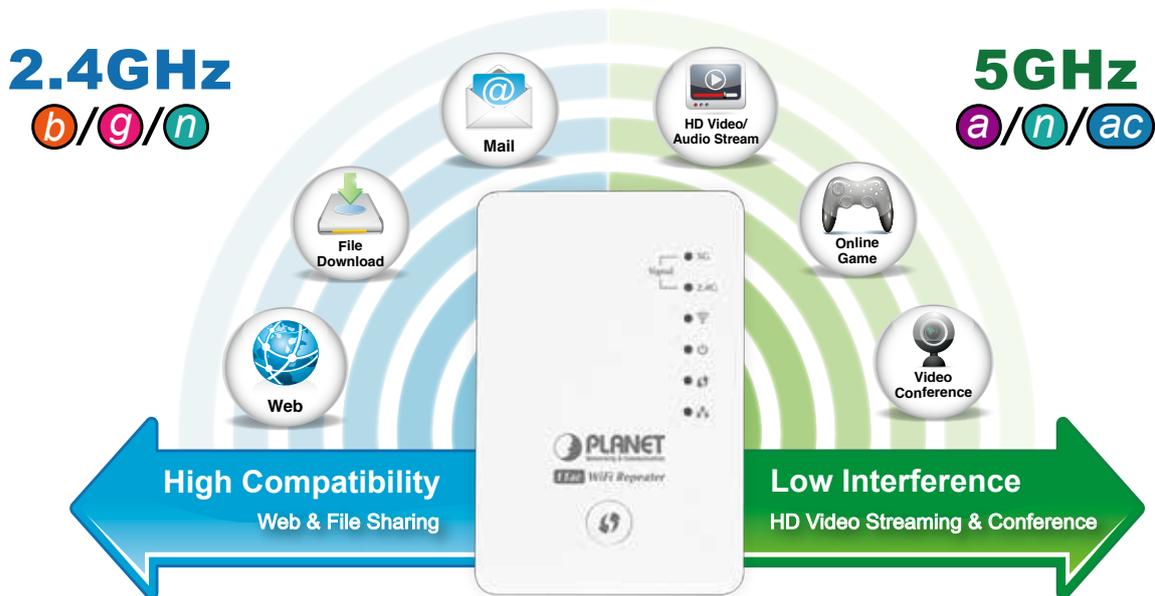
Wireless Range Extender for Homes

The WRE-1200 is the characterization of wall-plug design and advanced 2T2R MIMO technology which reduces the effect of dead spot, so that it can get better coverage of the existing wireless network. Furthermore, the Repeater modes supported by the WRE-1200 help to minimize the effort of installation and cabling cost.

2.4GHz 802.11b/g/n
» High power
» More compatibility
» Wider range of applications

5GHz 802.11a/n/ac
» Less interference
» More non-overlapping channels
» Stable connection

1000BASE-T UTP

Specifications

Product	WRE-1200	
Hardware Specifications		
Interface	LAN/WAN:	1 x 10/100/1000 Mbps auto MDI/MDI-X RJ45 port
Antenna	Gain:	2.4GHz: 2 x 2dBi internal antenna 5GHz: 2 x 4dBi internal antenna
Button/Switch	Mode Selection Switch (AP/Repeater/Client) WPS/Reset Button *Press for about 3~10 seconds for WPS settings and over 30 seconds to reset to factory default settings	
LED Indicators	PWR, LAN, WPS, Wi-Fi signal, WLAN	
Material	Plastic	
Dimensions (W x D x H)	59 x 40 x 91 mm (power plug is excluded)	
Weight	116g	
Power Requirements	Input power: 100-240V AC, 50/60Hz	
Wireless Interface Specifications		
Standard	IEEE 802.11ac (Draft 2.0) 5GHz IEEE 802.11a/n 5GHz IEEE 802.11b/g/n 2.4GHz	
Frequency Band	Simultaneous 2.4 GHz and 5 GHz	
Data Modulation	802.11b: DSSS (DBPSK/DQPSK/CCK) 802.11a/g/n: OFDM (BPSK/QPSK/16QAM/64QAM) 802.11ac: OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)	
Data Rates	802.11a: 6/9/12/24/36/48/54Mbps 802.11b: 1/2/5.5/11Mbps 802.11g: 6/9/12/24/36/48/54Mbps 802.11n (20MHz): MCS0-15, up to 144Mbps 802.11n (40MHz): MCS0-15, up to 300Mbps 802.11ac (80MHz): Nss2-MCS9, up to 867Mbps	
Frequency Range	2.4GHz:	America -- FCC: 2.412~2.462GHz Europe -- ETSI: 2.412~2.484GHz
	5GHz:	America -- FCC: 5.180~5.240GHz, 5.725~5.850GHz Europe -- ETSI: 5.180~5.240GHz
Operating Channels	2.4GHz:	America -- FCC: 1~11 Europe -- ETSI: 1~13
	5GHz:	America -- FCC: 36, 40, 44, 48, 149, 153, 157, 161, 165 Europe -- ETSI: 36, 40, 44, 48 5GHz channel list will vary in different countries according to their regulations.
Channel Width	802.11n: 20/ 40MHz 802.11ac: 20/ 40/ 80MHz	
RF Power / EIRP	2.4GHz: 11b: 17±1.5dBm 11g: 15±1.5dBm 11n: 14±1.5dBm	5GHz: 11a: 14±1.5dBm 11n: 14±1.5dBm 11ac: 12±1.5dBm
Receive Sensitivity	2.4GHz: 11b (11Mbps): -86±2dBm 11g (54Mbps): -72±2dBm 11n (20M)mode: -71±2dBm 11n (40M)mode: -69±2dBm	5GHz: 11a: -73±2dBm 11n (20M)mode: -71±2dBm 11n (40M)mode: -68±2dBm 11ac(80M)mode: -58±2dBm
Software Features		
Wireless Modes	■ AP ■ Client ■ Universal Repeater	
Encryption Security	WEP (64-/128-bit) WPA/WPA2 WPA-PSK/WPA2-PSK encryption	
Wireless Security	Wireless MAC address filtering Support WPS (WI-FI Protected Setup)	
Max. Supported Clients	2.4GHz Wireless: 32 5GHz Wireless: 32	
LAN	Built-in DHCP server supporting static IP address distributing	

System Management	Web-based (HTTP) management interface
	System Log
IEEE Standards	IEEE 802.11ac
	IEEE 802.11n
	IEEE 802.11a
	IEEE 802.11g
	IEEE 802.11b
	IEEE 802.11i
	IEEE 802.3 10BASE-T
	IEEE 802.3u 100BASE-TX
	IEEE 802.3ab 1000BASE-T
Other Protocols and Standards	CSMA/CA, CSMA/CD, TCP/IP, DHCP, ICMP, SNTP
OS Compatibility	Windows 10
	Windows 8
	Windows 7
	Windows Vista
	Windows XP
	Mac OS X 10.4 and higher
Standards Conformance	
Temperature	Operating: 0 ~ 40 degrees C
	Storage: -20 ~ 60 degrees C
Humidity	Operating: 10 ~ 90% (non-condensing)
	Storage: 5 ~ 95% (non-condensing)
Regulatory	FCC, CE, RoHS, WEEE

Ordering Information

WRE-1200-EU	1200Mbps 802.11ac Dual Band Wall Plug Wi-Fi Range Extender (EU Type)
WRE-1200-UK	1200Mbps 802.11ac Dual Band Wall Plug Wi-Fi Range Extender (UK Type)
WRE-1200-US	1200Mbps 802.11ac Dual Band Wall Plug Wi-Fi Range Extender (US Type)

Related Product

WDL-U601AC	433Mbps 802.11ac Dual Band Wireless USB Adapter
WDRT-1200AC	1200Mbps 802.11ac Dual Band Wireless Gigabit Router
WDAP-C7200AC	1200Mbps 802.11ac Dual Band Ceiling-mount Wireless Access Point
WDAP-1750AC	1750Mbps 802.11ac Dual Band Wall-mount Enterprise Wireless Access Point

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WRE-1200