

WR33-AC1200 Wireless WIFI Repeater



Brief Views

WR33-AC1200 wireless WiFi repeater is a wireless device independently developed by our company. It also supports relay mode, AP mode and router mode. It adopts enterprise-class high-performance chip, wireless speed up to 1200Mbps, stable standby of 15 people. With signal expansion enhancement, strong compatibility, plug and play, easy installation and configuration, lightweight and portable. WR33-AC1200 can be used in conjunction with a smart gateway or a wireless router to easily extend the signal transmission distance, expand the coverage of the original wireless signal, and solve the problem of incomplete indoor signal coverage and weak wall signal, so that the whole house signal has no blind spots. It is suitable for small-sized families, cafes, libraries, hotels and other multi-bedroom scenes.

Product Features

❖ **Lightweight and portable, easy to set up**

The plug-in design is lightweight and easy to carry around. In the case of a wireless network, the relay mode can be used to enhance weak signals and expand the signal transmission range anytime and anywhere. In the case of a wired network, the AP mode or the router mode can be used, simple configuration, easily convert wired to wireless for use by

multiple mobile terminals.

❖ **1200Mbps high speed, stable Internet access**

WR33-AC1200 adopts MT7620DA+7612E wireless high-performance chip, the main frequency is up to 580MHz. 2.4G wireless rate can reach 300Mbps, 5.8G wireless speed can reach 867Mbps, equipped with 8M flash memory +64M memory, easy standby 15 people.

❖ **Two modes, wired and wireless optional**

WR33-AC1200 supports relay mode, AP mode, and router mode, which can enhance weak signals, expand signal coverage, and convert wired networks to wireless signals for more users to connect at the same time.

❖ **LED shows network status, one-click WPS encryption**

WR33-AC1200 is equipped with an LED status indicator. The device can directly observe the working status of the device according to the light colour change. User can master network operation status in real time. At the same time, the WPS encryption button is provided on the outer casing to complete network encryption with one click, and network security is guaranteed.

❖ **Continuously update product features and optimize performance**

The R&D team constantly updates the functions of product and optimizes its performance so that it can adapt to various network scenarios, meet the wireless network needs of users, and enhance the user's online experience.

Product Interface/Button and LED Definition

| Interface/Button | | Description |
|------------------|---------|---|
| 1 | LAN/WAN | 1*10/100M WAN/LAN adaptive Ethernet port |
| 2 | LAN | 1*10/100M LAN adaptive Ethernet port |
| 3 | Reset | Long press within 3 seconds to restart, long press for more than 3 seconds to restore the factory settings) |
| 4 | WPS | Press and hold 1-3 seconds to enter pairing mode |

| WLAN Indicator | Description |
|--|--|
| Blue, red, and green alternately flashing slowly | No relayed state |
| Blue quick flash | WPS function enabled status |
| Blue constantly bright | AP mode or relay success status |
| Light off | Device is powered up abnormally or has failed. |

Product Specification

| Item | Name | Parameter |
|--------------|-----------------------|---|
| Main Control | Chip solution | MTK7620DA+7612E |
| | Main Frequency | 580MHz |
| | FLASH/Memory | 8MB/64MB |
| | Power | AC 100-240V 50/60Hz,0.3A |
| Wireless | Frequency range | 2.4-2.4835GHz 5.150GHz-5.850GHz |
| | Antenna | 2.4GHz 802.11b/g/n 300M 2T2R MIMO Technology 5.8GHz 802.11a/n/ac 867M 2T2R MIMO Technology |
| | Antenna gain | 2.4G/5.8G omnidirectional dual frequency high gain 3dBi external antenna*2 |
| | Rate | 11b: 1/2/5.5/11Mbps 11a/g: 6/9/12/18/24/36/48/54Mbps 11n: Max up to 300Mbps 11ac: Max up to 867Mbps |
| | Channel | 802.11b/g/n: 2.4-2.4835GHz : 1-13 802.11a/n/ac: 5.150GHz-5.850GHz: 36/40/44/48/52/56/60/64/149/153/157/161/165 |
| | Modulation | 11b: CCK, QPSK, BPSK 11a/g: OFDM 11n: QPSK, BPSK, 16-QAM, 64-QAM 11ac: QPSK, BPSK, 64-QAM, 256-QAM |
| | Transmit power | 802.11ac: 23dBm@MCS0~2/MCS8~10 20dBm@MCS9 802.11n: 20dBm@MCS0~2/MCS8~10 17dBm@MCS3/MCS11 802.11a/g: 20dBm@6~24Mbps 17dBm@54Mbps 802.11b: 20dBm@1~11Mbps |
| | Receiving sensitivity | 11b : -82dBm@1Mbps, -76dBm@11Mbps |

Ceres Product Datasheet

| | | |
|--------------------|-------------------------------|--|
| | | <p>11a/g : -82dBm@6Mbps, -65dBm@54Mbps</p> <p>11n : -79dBm@MCS0, -61dBm@MCS7, -86dBm@MCS8, -64dBm@MCS15</p> <p>11ac : -76dBm@MCS0, -51dBm@MCS9</p> |
| Software | Working mode | Relay / AP / router three working modes |
| | Number of connected terminals | 15(recommended) |
| | Status | Device information / Internet Status / 2.4G Wireless Status / 5G Wireless Status |
| | Guide | Wizard setup guide |
| | WiFi | Wireless user / WiFi settings / Signal strength / Advanced settings |
| | Settings | Network settings / Setting time zone / Login password / Device status / Reset / Restart / Logout |
| Environment | Operating temperature: | -10 ~ 50°C |
| | Storage temperature: | -40 ~ 70°C |
| | Operating humidity: | 5 ~ 90%(Non-condensing) |
| | Storage humidity: | 5 ~ 95%(Non-condensing) |

Application

- Small family users
- Hotel, cafe, multi-bedroom scene;

Ordering Information

| Product Name | Product Model | Product Description |
|----------------|---------------|---|
| Wi-Fi Repeater | WR33-AC1200 | 1*10/100M WAN/LAN adaptive Ethernet port, 1*10/100M LAN adaptive Ethernet port, support 2.4G and 5G Wi-Fi function, plastic casing, 100~240V plug |