

## Datasheet

# Wi-Fi 5 1200Mbps Dual-Band SD-LAN Wireless Router

WK-R1200



## Overview

WK-R1200 is a high-performance wireless router which provides wireless speed of up to 1200Mbps, making it ideal for CCTV, office, and home scenarios. Equipped with 1 100Mbps RJ45 WAN Port and 3 100Mbps RJ45 LAN Port, WK-R1200 provides simple and reliable wired connections to Laptops, PCs or IP Cameras. With 2x2 MIMO technology, ensures fast Wi-Fi for smooth video streaming and file downloading. With 4 working modes all in one (Wireless Router, Access Point, Repeater, WISP mode), WK-R1200 can meet the demand for different networking scenarios.

## Highlights

- . Complied with 802.11ac, wireless speed of up to 1200Mbps
- . Support EasyMesh technology, which makes router units work together to boost Wi-Fi Coverage  
*\*Note: EasyMesh devices can be networked only with devices that support EasyMesh standard.*
- . 3 100Mbps RJ45 LAN ports, provides ample access to wired clients
- . 2x2 MIMO technology provides smooth Wi-Fi experience
- . 4x 5dBi External Omni-directional Antennas
- . Four working modes all in one, caters to multiple networking scenarios
- . SD-LAN technology provides centralized control, making it easy to manage your network infrastructure
- . Wi-Tek Cloud Management for easy management and maintenance

# Specifications



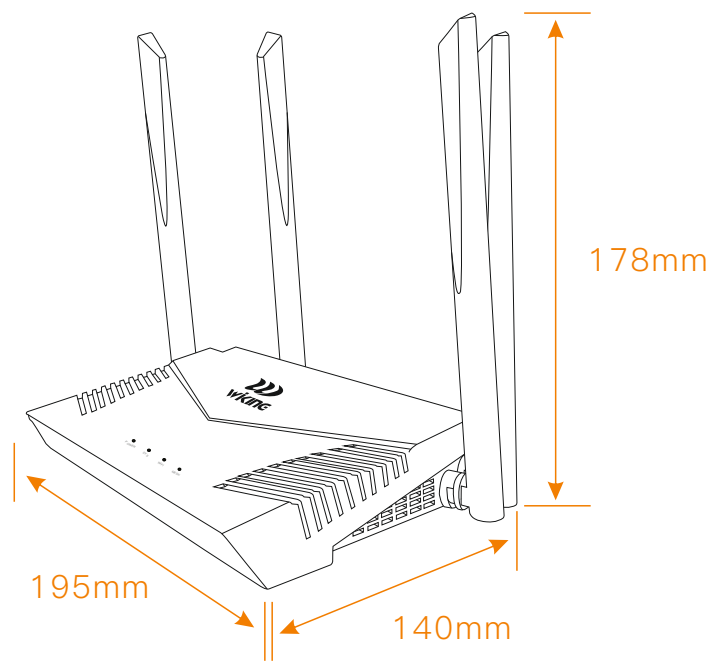
|                        |                                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Model                  | WK-R1200                                                                                                                          |
| Hardware Version       | V1.0                                                                                                                              |
| Hardware Features      |                                                                                                                                   |
| Memory                 | RAM: 64MB<br>Flash: 16MB                                                                                                          |
| Interface              | WAN: 1*10/100Mbps RJ45 Port<br>LAN: 3*10/100Mbps RJ45 Port                                                                        |
| Max. Power Consumption | 11W                                                                                                                               |
| Power Supply           | DC 12V/1A                                                                                                                         |
| Button                 | MESH Button<br>Reset Button<br>(long press for 8 seconds to restore the factory default coniguration)                             |
| Wireless Features      |                                                                                                                                   |
| Standards              | IEEE 802.11a/b/g/n/ac                                                                                                             |
| Max/ Recoomend Clients | 48/ 36                                                                                                                            |
| Data Rates             | 2.4GHz: up to 300Mbps<br>5GHz: up to 867Mbps                                                                                      |
| MIMO                   | 2.4GHz: 2x2 MIMO<br>5GHz: 2x2 MIMO                                                                                                |
| Antenna                | 2.4GHz: 5dBi<br>5GHz: 5dBi                                                                                                        |
| Frequency              | 2.4GHz: 2.4GHz ~ 2.484 GHz<br>5GHz: 5.150 ~ 5.850 GHz<br>*Please follow national regulations to select the appropriate frequency. |
| Channel Width          | 20/40/80MHz                                                                                                                       |
| Max. TX power          | 2.4GHz: 23dBm<br>5GHz: 22dBm                                                                                                      |

| Model                 | WK-R1200                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Receiver Sensitivity  | <b>2.4GHz:</b><br>802.11b: -97dBm@1Mbps -89dBm@11Mbps<br>802.11g: -94dBm@6Mbps -77dBm@54Mbps<br>802.11n 20MHz: -75@MCS7<br>802.11n 40MHz: -72dBm@MCS7<br><br><b>5GHz:</b><br>802.11a: -94dBm@6Mbps -76dBm@54Mbps<br>802.11n 20MHz: -74@MCS7<br>802.11n 40MHz: -71dBm@MCS7<br>802.11ac 20MHz: -71MCS8<br>802.11ac 40MHz: -66dBm@MCS9<br>802.11ac 80MHz: -62dBm@MCS9 |
| Software Features     |                                                                                                                                                                                                                                                                                                                                                                    |
| Operating Mode        | Wireless Router, Access Point, Repeater, WISP                                                                                                                                                                                                                                                                                                                      |
| Advanced Applications | EasyMesh<br>SD-LAN                                                                                                                                                                                                                                                                                                                                                 |
| WAN Type              | Dynamic IP, Static IP, PPPoE                                                                                                                                                                                                                                                                                                                                       |
| Protocols             | IPv4, IPv6                                                                                                                                                                                                                                                                                                                                                         |
| DHCP                  | DHCP Server, DHCP Pool, DHCP, DHCP Lease, DNS Server, Host List                                                                                                                                                                                                                                                                                                    |
| Routing               | Routing Table, ARP Table                                                                                                                                                                                                                                                                                                                                           |
| Wireless              | Enable/disable SSID, Hide SSID, Wi-Fi Isolate<br>Multiple SSID, Wireless Statistics<br>Wi-Fi Multimedia (WMM)                                                                                                                                                                                                                                                      |
| Radio                 | Region Adjustment<br>Channel Adjustment<br>Bandwidth Adjustment<br>Tx Power Adjustment<br>Weak Signal Threshold Setting                                                                                                                                                                                                                                            |
| Wireless Security     | WPA-PSK(TKIP), WPA2-PSK(TKIP,CCMP), WPA2-PSK(CCMP),<br>WPA2/PA3-PSK(CCMP,SAE), WPA3-PSK(SAE),<br>WPA-Enterprise, WPA2-Enterprise                                                                                                                                                                                                                                   |

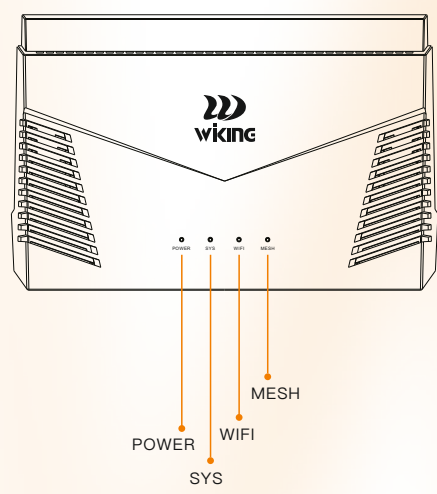
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|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model             | WK-R1200                                                                                                                                                                                   |
| Port Forwarding   | Port Mapping, DMZ                                                                                                                                                                          |
| Access Control    | Source/Destination IP Based Access Control, Wireless Blacklist/Whitelist                                                                                                                   |
| VPN Client        | PPTP, L2TP                                                                                                                                                                                 |
| System            | Scheduled Reboot<br>Ping Watchdog<br>Diagnostics : Ping, Traceroute<br>Restore & Backup<br>Firmware update via Web<br>NTP<br>Enable/disable ONVIF                                          |
| Management        | Support local management with web<br>Support remote management with Wi-Tek Cloud platform and APP                                                                                          |
| Others            |                                                                                                                                                                                            |
| Certification     | CE, FCC, RoHS, UKCA, RCM                                                                                                                                                                   |
| Product Dimension | 195mm*140mm*25mm                                                                                                                                                                           |
| Environment       | Operating Temperature: -10°C~55°C(14°F~131°F)<br>Storage Temperature: -40°C~70°C(-40°F~158°F)<br>Operating Humidity: 10%~95% (non-condensing)<br>Storage Humidity: 5%~95% (non-condensing) |

WK-R1200

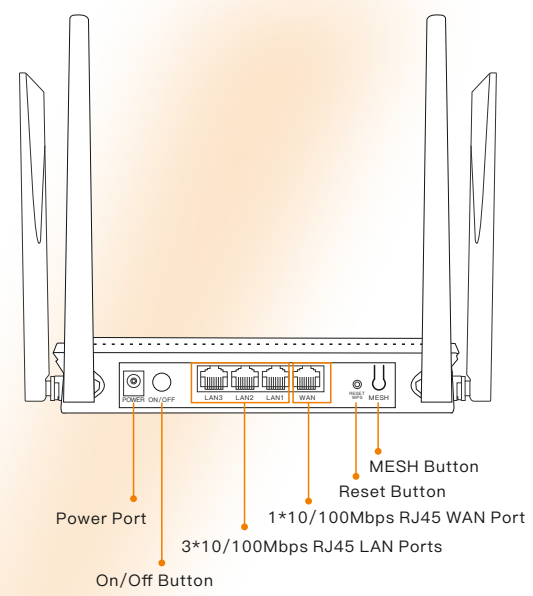
Dimensions (mm)



Front Panel



Rear Panel



# Package Contents

Welcome to order our products. After purchasing, you will receive:

| Items                    | Quantity |
|--------------------------|----------|
| Wireless Router          | 1 pcs    |
| Ethernet Cable           | 1 pcs    |
| Quick Installation Guide | 1 pcs    |
| Power Adapter            | 1 pcs    |



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Technical Support



Cloud Management



Company Website