Wi-Fi 6 1800Mbps Dual-Band SD-LAN Wireless Router

WK-R1800

Overview

WK-R1800 is a high-performance wireless router which provides wireless speed of up to 1800Mbps, making it idea for CCTV, office, and home scenarios. Equipped with 1 1000Mbps RJ45 WAN Port and 3 1000Mbps RJ45 LAN Port, WK-R1800 provides simple and reliable wired connections to Laptops, PCs or IP Cameras. Armed with Wi-Fi 6 technology like OFDMA, 1024-QAM and the latest 802.11ax standard, WK-R1800 is designed to deliver a huge boost in coverage, speed and total capacity. With 4 working modes all in one (Wireless Router, Access Point, Repeater, WISP mode) , WK-R1800 can meet the demand for different networking scenarios.

Features

Ultra-fast Wi-Fi 6

Complied with Wi-Fi 6 802.11ax and wireless speed of up to 1800Mbps, which enables faster speeds, greater capacity and reduced network congestion.

MU-MIMO, OFDMA, 1024-QAM Technology

Support MU-MIMO, OFDMA, 1024-QAM, which ensures more simultaneous clients online and reduced latency and interference.

EasyMesh Technology

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.

Full Gigabit Ethernet Design

Full Gigabit Ethernet port design, which allows you to take full advantage of your broadband speed up to 1 Gbps.

High-gain Antennas

External 4 x 5dbi antenna for maximum all-round wireless coverage and reliability.

SD-LAN Technology

SD-LAN technology provides centralized control, making it easy to manage your network infrastructure.

Abundant Working Modes

Four working modes all in one(Wireless Router, Access Point, Repeater, WISP mode), which caters to multiple networking scenarios.

Cloud Management

Wi-Tek Cloud Management for easy management and maintenance.

Specifications

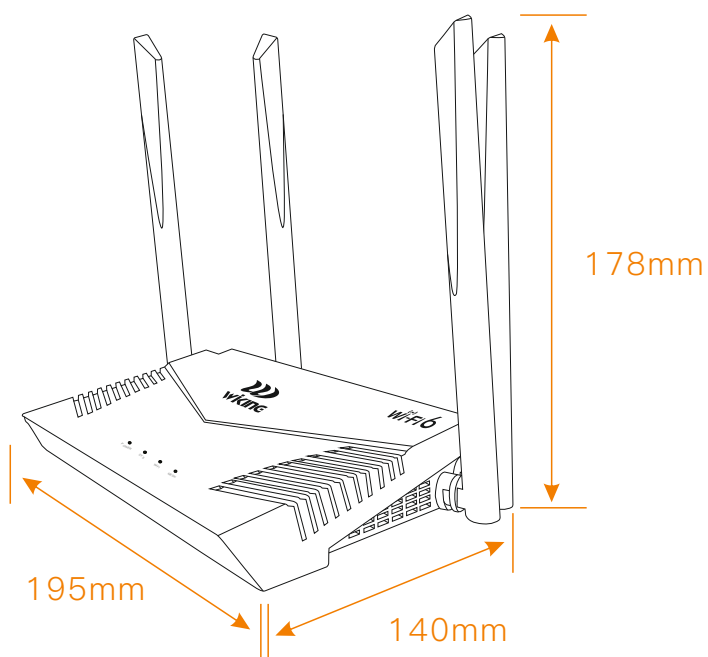| Model	WK–R1800
Hardware Version	V1.0
Hardware Features	
Memory	RAM: 256MB Flash: 128MB
Interface	WAN: 1*Gigabit RJ45 Port LAN: 3*Gigabit RJ45 Ports
Max. Power Consumption	12W
Power Supply	DC 12V/1A
Button	MESH Button Reset Button (long press for 8 seconds to restore the factory default coniguration)
Wireless Features	
Standards	IEEE 802.11a/b/g/n/ac/ax
Data Rates	2.4GHz: up to 574Mbps 5GHz: up to 1201Mbps
MIMO	2.4GHz: 2x2 MIMO 5GHz: 2x2 MIMO
Antenna	2.4GHz: 5dBi 5GHz: 5dBi
Frequency	2.4GHz: 2.4GHz ~ 2.484 GHz 5GHz: 5.150 ~ 5.850 GHz *Please follow national regulations to select the appropriate frequency.
Channel Width	20/40/80MHz
Max. TX power	2.4GHz: 23dBm 5GHz: 21dBm

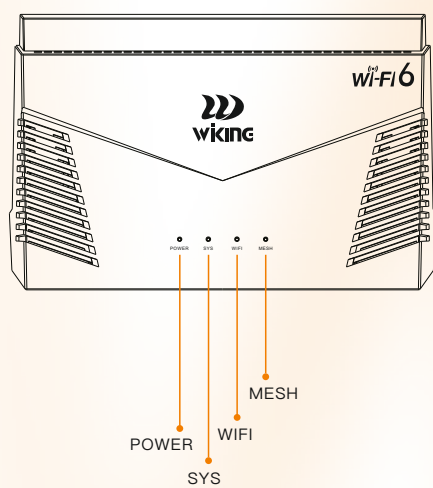| Model	WK–R1800
Receiver Sensitivity	**5 GHz:** 11a 6Mbps:–95dBm, 11a 54Mbps:–77dBm 1ac VHT20_MCS8:–71dBm 11ac VHT40_MCS9:–66dBm 11ac VHT80_MCS9:–63dBm 11ax HE20_MCS11:–64dBm 11ax HE40_MCS11:–62dBm 11ax HE80_MCS11:–59dBm **2.4 GHz:** 11g 6Mbps: –96 54Mbps: –80dBm 11n HT20–MCS7: –76dBm 11n HT40–MCS7: –73dBm
Software Features	
Operating Mode	Wireless Router, Access Point, Repeater, WISP
Advanced Applications	EasyMesh 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 Multiple SSID, Wireless Statistics Wi–Fi Multimedia (WMM)
Radio	Region Adjustment Channel Adjustment Bandwidth Adjustment Tx Power Adjustment Weak Signal Threshold Setting
Wireless Security	WPA–PSK(TKIP), WPA2–PSK(TKIP,CCMP), WPA2–PSK(CCMP), WPA2/PA3–PSK(CCMP,SAE), WPA3–PSK(SAE), WPA–Enterprise, WPA2–Enterprise

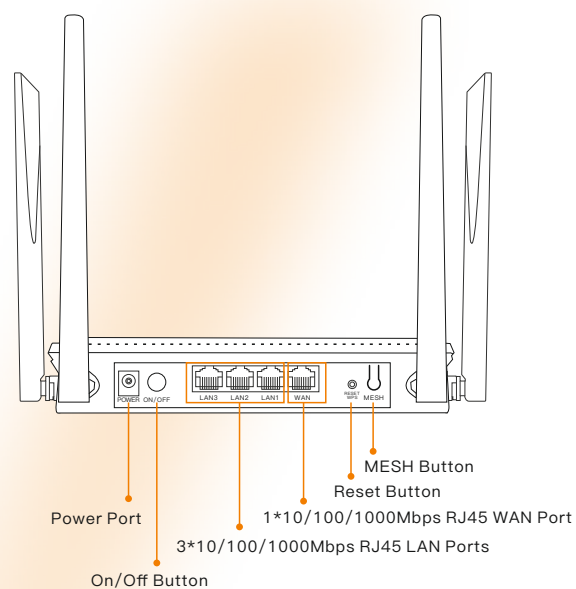| Model	WK–R1800
Port Forwarding	Port Mapping, DMZ
Access Control	Source/Destination IP Based Access Control, Wireless Blacklist/Whitelist
VPN Client	PPTP, L2TP
System	Scheduled Reboot Ping Watchdog Diagnostics : Ping, Traceroute Restore & Backup Firmware update via Web NTP Enable/disable ONVIF
Management	Support local management with web 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℃~55℃(14℉~131℉) Storage Temperature: –40℃~70℃(–40℉~158℉) Operating Humidity: 10%~95% (non–condensing) Storage Humidity: 5%~95% (non–condensing)

WK–R1800

Dimensions (mm)

178mm

195mm

140mm

Front Panel

WI-FI 6

WIKING

POWER SYS WIFI MESH

MESH

WIFI

POWER

SYS

Rear Panel

POWER ON/OFF LAN3 LAN2 LAN1 WAN RESET WPS MESH

MESH Button

Reset Button

Power Port

1*10/100/1000Mbps RJ45 WAN Port

3*10/100/1000Mbps RJ45 LAN Ports

On/Off Button

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

CE FC RoHS UKCA

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