Datasheet

300Mbps SD-LAN Wireless Router

WK-R300



Overview

WK-R300 is a wireless router which provides wireless speed of up to 300Mbps, making it idea for CCTV, office, and home scenarios. Equipped with 1 100Mbps RJ45 WAN Port and 4 100Mbps RJ45 LAN Port, WK-R300 provides ample 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-R300 can meet the demand for different networking scenarios.

Features

. Complied with 802.11n,wireless speed of to 300Mbps
. 4 100Mbps RJ45 LAN ports, provides ample access to wired clients
. 2x2 MIMO technology provides smooth Wi-Fi experience
. 2x 5dBi External Omni-directional Antennas
. Four working modes all in one,(Support Wirelsss Router, Access Point, Repeater, WISP Mode) 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



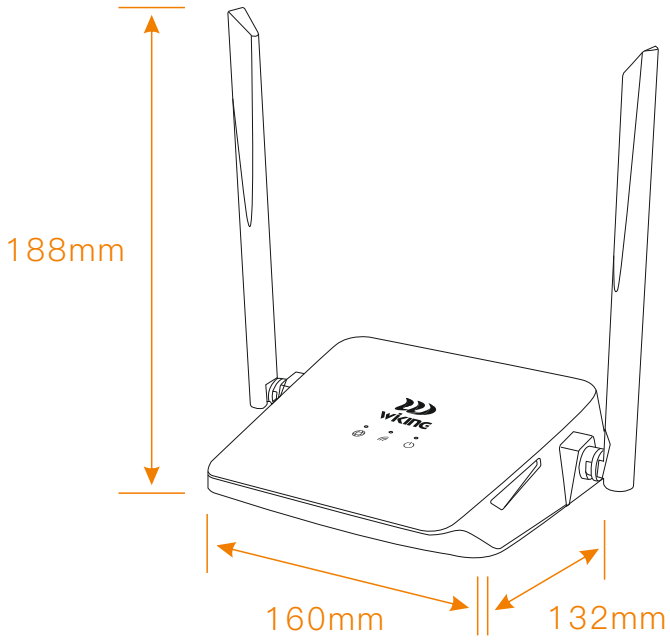
Model	WK-R300
Hardware Version	V1.0
Hardware Features	
Memory	RAM: 64MB Flash: 8MB
Interface	WAN: 1*10/100 Mbps RJ45 Port LAN: 4*10/100Mbps RJ45 Port 1*Reset Button (long press for 8 seconds to restore the factory default configuration)
Max. Power Consumption	8W
Power Supply	DC 5V/1A
Wireless Features	
Standards	IEEE 802.11b/g/n
Max/ Recoomend Clients	32/ 16
Data Rates	2.4GHz: up to 300Mbps
MIMO	2x2 MIMO
Antenna	5dBi
Frequency	2.4GHz ~ 2.484 GHz *Please follow national regulations to select the appropriate frequency.
Channel Width	20/40MHz
Max. TX power	18dBm
Receiver Sensitivity	2.4GHz: 802.11b: -87.5±1.5dBm@11Mbps 802.11g: -74±2dBm@54Mbp 802.11n 20MHz-72±2dBm@MCS7 802.11n 40MHz: -70±3dBm@MCS7

Model	WK-R300
Software Features	
Operating Mode	Wireless Router, Access Point, Repeater, WISP
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
Port Forwarding	Port Mapping, DMZ
Access Control	Source/Destination IP Based Access Control, Wireless Blacklist/Whitelist
Advanced Applications	SD-LAN Note:Wi-Tek test lab recommend 2 4MP IPC for SD-LAN connection. (SD-LAN: Mesh network or Star network mode)

Model	WK-R300
Button	
System	Scheduled Reboot Ping Watchdog Diagnostics : Ping, Traceroute Restore & Backup Firmware update via Web NTP Enable/disable Smart device discovery service(Onvif detection)
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	160mm*132mm*36mm
Environment	Operating Temperature: -20℃~45℃(-4°F~113°F) Storage Temperature: -40°C~70°C(-40°F~158°F) Operating Humidity: 5%~95% (non-condensing) Storage Humidity: 5%~95% (non-condensing)

WK-R300

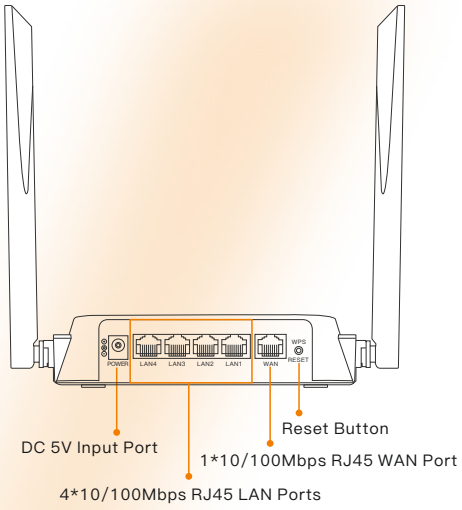
Dimensions (mm)



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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