

# 1200Mbps Dual-Band Wireless Mesh Router with PoE Passthrough

WI-R3

### **Overview**

WI-R3 is a gigabit dual-band wireless router with PoE Passthrough function, which obtains power from an upstream PoE switch or adapter and passes the power to other PoE devices, such as CPE and camera devices, suitable for a wide range of home scenarios. Also, 867 Mbps on the 5 GHz band and 300 Mbps on the 2.4 GHz band are ideal for both everyday tasks and lag-free online entertainment.

## **Features**

#### Mesh Technology

Quickly connect multiple access points without cables or configuration.

#### **PoE Passthrough**

PoE passthrough refers to routers that obtain power from upstream PoE switches or adapters and pass the power to other PoE devices, such as CPEs and cameras.

#### **Cloud Management**

The free cloud management platform simplifies a lot of equipment management time and reduces network supervision costs for network administrators.

#### **SD-LAN**

The software-defined local area network realizes the remote networking experience between the headquarters and branches.

#### Wi-Fi Roaming

Enjoy the best signal wherever you go.

#### **OpenVPN**

Realize VPN uninterrupted on-demand connection between headquarters and branch companies in different places.







## **Specifications**

Products	WI-R3				
Hardware Version	V1				
Hardware Specifications					
Wireless Standards	IEEE 802.11 ac wave1/n/b/g/a				
Interface	(3)10/100M Base-T LAN Ethernet ports (1)10/100M Base-T WAN Ethernet port				
Operating Bands	2.4GHz & 5GHz				
Spatial Steams	2.4GHz: 2x2 MIMO 5GHz: 2x2 MIMO				
Antenna	2.4GHz: 5dBi ; 5GHz: 5dBi				
Signal Rate	Up to 300 Mbps at 2.4GHz Up to 867 Mbps at 5GHz				
Maximum Transmit Power	20dBm				
Power Supply	DC 12V-54V, 24V Passive PoE, 802.3af/at (Included 52V 1.25A DC power adapter in packing box)  * DC 12V only supplies power to the R3				
PoE Port	Input	LAN1 24V Passive PoE, 802.3af/at			
	Output	WAN:LAN3、LAN2、24V or 48V passive PoE *The maximum PoE passthrough output is 12W			
Max. Power Consumption	6W(Excludes PoE output )				
Buttons	reset button (long press for 8 seconds to restore the factory default configuration)				
Dimensions	235mm×160mm×32mm				
Environment	Operating Temperature: 0°C ~ 40°C Storage Temperature: -20°C ~ 70°C Operating Humidity: 5% ~ 95% (non-condensing) Storage Humidity: 5% ~ 95% (non-condensing)				
Software Features					
Operating Mode	Router Mode, AP Mode				
Internet Connection Type	Static IP, DHCP, PPPoE Dial Up				
Network Security	Guest Wi-Fi;Hide SSID; Wi-Fi Isolate				
	Parental Control; IP/MAC binding				
	Wireless Security: WPA-PSK/WPA2-PSK/WPA3-SAE				
Advanced Features	Mesh: Supports zero-configuration networking of multiple devices, and supports automatic switching between wired and wireless networking for multiple devices.				
	Wi-Fi optimization: Wi-Fi roaming, channel adjustment, power adjustment				
	Application: Port Forwarding; SD-LAN; Open VPN				
	Software upgrade: Firmware upgrade online or Firmware upgradeable via browser.				
	Diagnostics Utilities: Ping; IPV4 Traceroute; Nslookup				
Management and Maintenance	Support local management with web Support remote management with Wi-Tek Cloud platform				





Power Type	Input	Output	Pin
DC IN	12V	N/A	N/A
	24V	24V Passive	4/5(V+),7/8(V-)
	48V	48V Passive	4/5(V+),7/8(V-)
	802.3af/at	48V Passive	4/5(V+),7/8(V-)
PoE IN	24V Passive	24V Passive	4/5(V+),7/8(V-)
	48V Passive	48V Passive	4/5(V+),7/8(V-)

#### Note:

The WI-R3 maximum power does not exceed 6W The maximum PoE passthrough output is 12W

## **Package Content**

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

Items	Quantity
WI-R3	1 pcs
Network Cable	1 pcs
Quick Installation Guide	1 pcs
52V DC injector	1 pcs



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**Cloud Management** 



Company Website