Winstars Product Specifications

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Model	WS-WN552K3-A WS-WN552K2-A	Date	2018.2.6
Name	K3: 3-Unit AC2100 Dual-Band Mesh WiFi Router and Extender Kit K2: 2-Unit AC2100 Dual-Band Mesh WiFi Router and Extender Kit	Writer	

PICTURE WS-WN552K3-A WS-WN552K2-A

TITLE

AC2100 Dual-Band Whole Home Mesh WiFi System
2.4GHz 300Mbps and 5GHz 1733Mbps connections
Supports 802.11ac/a/n/g/b standards
TouchLink Easily Connect, No Passwords Required

DESCRIPTION

Whole-Home Mesh WiFi System for home networking, with it's multiple smart units, delivers data speeds up to 2033Mbps and provides seamless floor-to-floor roaming throughout your home.
While signals of traditional individual router significantly decrease after crossing two or three walls, this Whole-Home Mesh WiFi System, a distributed wireless network, is interconnected and does not sacrifice signal strength and stability within a much larger area, which is highly-valued.
It's a flexible system that can extend with your needs, you can add as to 10 satellites as you need. Each unit covers 1500-2000 sq ft, while the 3-unit kit covers 5000-6000 sq ft, and 2-unit kit covers 3000-4000 sq ft, depending on how you place them at your home.

FEATURES

• Free installation, automatic networking, easily fill the whole house with WiFi coverage.
• Extensible to as many as 10 Mesh Satellites.
• Powerful dual-band Mesh WiFi System distributes 100% Internet speed to the edge of your WiFi network at home, without signal degradation when the end device is moving around.
• Mesh WiFi solution is built to connect with each other in a single network configuration. If one Node loses connection, the remaining units will reestablish Internet connection, automatically and seamlessly.
• Mesh WiFi System chooses the fastest path for device connections and keeps your network running as fast as possible.
• Complies with IEEE 802.11ac/a/n/g/b standards.
• Simultaneous 5GHz 1733Mbps and 2.4GHz 300Mbps connections, total available bandwidth of 2100Mbps.
• Built-in high-power amplifiers to provide extreme Wi-Fi coverage and penetration.
• Patented omni-directional internal antennas: 4 x 3dBi 5G antennas + 2 x 3dBi 2.4G antennas providing even better wireless performance.
• 3 x 10/100/1000Mbps Auto-Negotiation Gigabit Ethernet ports.
• USB 2.0 Port - share files & media with networked devices
• MU-MIMO technology communicates with several devices at once to speed up connections and reduce waiting time.
• TouchLink function can easily set up a separate and secure WiFi network for visitors and guests to use.
• Easy setup assistant with multi-language support provides a quick & hassle-free installation process.

PACKAGE CONTENT

WN552K2:	WN552K3:
1 x Mesh Router	1 x Mesh Router
1 x Mesh Satellite	2 x Mesh Satellites
2 x Power Adapters	3 x Power Adapters
1 x RJ-45 Networking Cable	1 x RJ-45 Networking Cable
1 x Quick Installation	1 x Quick Installation

SPECIFICATION

Hardware	Router	Satellite
Ports	1 x10/100/1000Mbps WAN PORT 2 x10/100/1000Mbps LAN PORT 1xUSB 2.0	3 x10/100/1000Mbps LAN PORT
Button	1 x Power On/Off, 1 x Reset, 1 x Pair Button, 1 x TouchLink	
LED	3 x 1000Mbps LAN/WAN, halo LED light around the cover	
Chipset	MT7621A+MT7615N+MT7603E	
Flash	64Mb	
SDRAM	1GMb	
Power Supply	DC5V 3A	
Rated Voltage/ requency	input:100-240 Va.c. 50/60Hz	

Dimensions	
Unit Dimensions	125mm x 134mm x 115.5mm (L x W x H)

Environmental	
Operating Temperature	0ºC~40ºC
Storage Temperature	-10~70℃
Relative Humidity(Operational)	10%~90%,noncondensing
Relative Humidity(Storage)	10%~90%,noncondensing

Wireless	
Standard	IEEE 802.11b/g/n/a/ac
Frequency band	2.4GHz, 5GHz
Transmit Power	2.4G: 20DBm, 5G: 28DBm MAX
Sensitivity	802.11b: -93dBm /802.11g: -73dBm / 802.11n: -68dBm
Speed	802.11ac: up to 1733Mbps, 802.11n: up to 300Mbps 802.11a: up to 54Mbps, 802.11g: 54Mbps,802.11b: 11Mbps
Wireless Security	WPA-PSK/ WPA2-PSK encryption
Antennas	2x3dBi 2G Detachable Omni Directiona+4x3dBi 5G Detachable Omni Directiona
Distance	Outdoors 1000m, Indoor 300m(According to the actual environment change)

Software	
WAN Type	PPPoE, Dynamic IP, Static IP,WISP
DHCP Settings	Server, Client,
USB Sharing	Support Samba(Storage)
Function	Time Setting DHCP Server Wireless Setting