

1500Mbps Wireless WiFi Repeater

802.11ax/ac/b/g/n/a

Model: WD-R1501U



KEY FEATURES

- 1500M Wireless Extended Range
- External Omni Directional antenna.
- Provides one LAN port
- Universally complies with IEEE 802.11ax, IEEE 802.11ac, IEEE 802.11n, IEEE 802.11g and IEEE 802.11b standards.
- WLAN 802.11ax for wireless high-speed access up to 1500Mbps, ideal for video streaming, online gaming and Internet calling.
- Easy Setup Assistant provides quick & hassle free installation.
- User interface supports free WEB software updates.
- Supports far-distance transmission, 200 meters indoor, 400 meters outdoor (depends on the environments around)
- Supports remote/local Web management

Specifications

Chipset	RTL8197FH+RTL8832B
Interface	1* 10/100Mbps LAN
Wireless Speed	2.4G: 300Mbps & 5.8G: 1200Mbps
Frequency Range	2.4G & 5.8G
Wireless Transmit Power	20dBm(MAX EIRP)
Antenna	4* 2dBi External Antennas (Fixed)
Work Mode	Repeater / AP
Wireless Security	64/128 bits WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)
Temperature Range	Operating: 0°C to 40°C, Storage: -40°C to 90°C
Humidity	Operating: 5% to 95% (non-condensing), Storage: Max. 90% (non-condensing)
Support Operating System	Windows XP/Vista/Linux/ Win 7/Win 8 /Win8.1 /Win10/Win11/Mac OS
Dimensions (H x W x D)	74x70x53 mm

RF Performance Table for 2.4GHz and 5.8GHz

	Data Rate	TX Power	Tolerance
2.4GHz 802.11b	1Mbps	18dBm	±2dB
	11Mbps	17dBm	±2dB
2.4GHz 802.11g	6Mbps	17dBm	±2dB
	54Mbps	17dBm	±2dB
2.4GHz 802.11n 20MHz	MCS0	16dBm	±2dB
	MCS7	15dBm	±2dB
2.4GHz 802.11n 40MHz	MCS0	16dBm	±2dB
	MCS9	15dBm	±2dB
5.8GHz 11ac 80MHz	MCS0	16dBm	±2dB
	MCS9	15dBm	±2dB
5.8GHz 11ax 80MHz	MCS0	16dBm	±2dB
	MSC11	15dBm	±2dB

	Data Rate	RX Specifications	Tolerance
		Sensitivity	
2.4GHz 802.11b	1Mbps	-95dBm	±2dB
	11Mbps	-90dBm	±2dB
2.4GHz 802.11g	6Mbps	-92dBm	±2dB
	54Mbps	-72dBm	±2dB
2.4GHz 802.11n 20MHz	MCS0	-92dBm	±2dB
	MCS7	-72dBm	±2dB
2.4GHz 802.11n 40MHz	MCS8	-70dBm	±2dB
	MCS0	-89dBm	±2dB
5.8GHz 11a	MCS7	-65dBm	±2dB
	6Mbps	-92dBm	±2dB
5.8GHz 11a	54Mbps	-72dBm	±2dB
	MCS0	-87dBm	±2dB
5.8GHz 11ax 80MHz	MCS9	-62dBm	±2dB
	MSC0	-62dBm	±2dB
5.8GHz 11ax 80MHz	MSC11	-55dBm	±2dB

Dimensional Drawing



74mm



70mm

53mm

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines. This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.