

# 300Mbps Wireless WiFi Repeater

## 802.11b/g/n

**Model: WD-R610U**



### KEY FEATURES

- 300M Wireless Extended Range
- External Omni Directional antenna.
- Provides one LAN port
- Universally complies with IEEE 802.11n, IEEE 802.11g and IEEE 802.11b standards.
- WLAN 802.11n for wireless high-speed access up to 300Mbps, 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, 100 meters indoor, 300 meters outdoor (depends on the environments around)
- Supports remote/local Web management

## Specifications

Chipset	MTK7628kn
Interface	1* 10/100Mbps WAN + 1* 10/100Mbps LAN port
Wireless Speed	11n: Up to 300Mbps
Frequency Range	2.4-2.4835GHz
Wireless Transmit Power	20dBm(MAX EIRP)
Antenna	2* 2dBi External Antennas ( Fixed )
Work Mode	Repeater / AP / Router
Wireless Security	64/128 bits WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES)
Temperature Range	Operating: -20°C to 70°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 /Mac OS
Dimensions (H x W x D)	140 x 90 x 70 mm

## RF Performance Table for 2.4GHz

	Data Rate	TX Power	Tolerance
2.4GHz	1Mbps	16dBm	±2dB
802.11b	11Mbps	16dBm	±2dB
2.4GHz	6Mbps	15dBm	±2dB
802.11g	54Mbps	13dBm	±2dB
2.4GHz	MCS0	14dBm	±2dB
802.11n	MCS7	13dBm	±2dB
20MHz	MCS8	13dBm	±2dB
2.4GHz	MCS0	14dBm	±2dB
802.11n	MCS9	13dBm	±2dB
40MHz	MCS9	13dBm	±2dB

	Data Rate	RX Specifications Sensitivity	Tolerance
2.4GHz	1Mbps	-97dBm	±2dB
802.11b	11Mbps	-90dBm	±2dB
2.4GHz	6Mbps	-92dBm	±2dB
802.11g	54Mbps	-76dBm	±2dB
2.4GHz	MCS0	-92dBm	±2dB
802.11n	MCS7	-75dBm	±2dB
20MHz	MCS8	-71dBm	±2dB
2.4GHz	MCS0	-89dBm	±2dB
802.11n	MCS9	-67dBm	±2dB
40MHz	MCS9	-67dBm	±2dB

## Dimensional Drawing

