

# 300Mbps Wireless WiFi Repeater

## 802.11b/g/n

**Model: WD-R606A**



### KEY FEATURES

- 300M Wireless Extended Range
- External Omni Directional antenna.
- Provides one LAN port
- 4M Flash + 32M Ram
- 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 and web upgrade

## Specifications

|                          |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| Chipset                  | Realtek RTL8196E                                                          |
| Interface                | 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                                                             |
| 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/Linnux/ Win 7/Win 8 /Win8.1 /Win10 /Mac OS               |
| Dimensions (H x W x D)   | 142 x 90 x 52 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   |           |          |           |

|         | 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   |           |                               |           |

## Dimensional Drawing

