

## WR1800X WIFI6 AX1800 Wireless Router

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### Product Features

- Featuring a high-performance multi-chip architecture paired with a powerful dual-core processor, this solution significantly enhances wireless transmission speeds and network capacity, delivering more efficient data processing, faster response times, and stable signal performance.
- Wireless transmission speed of 1800 Mbps, compliant with the WiFi 6 standard;
- Supports dual-band operation simultaneously on both 2.4 GHz and 5 GHz frequencies, offering strong interference resistance and faster, more stable wireless transmission.
- The OpenWRT open-source system offers extensive features;
- Supports IPv6 networks
- Three external 5dBi high-gain 2.4 GHz omnidirectional antennas and three 5dBi high-gain 5 GHz omnidirectional antennas;
- Equipped with a built-in high-power signal amplifier and signal-enhancing receiver, offering higher sensitivity, stronger signal strength, and broader coverage.
- Featuring one Gigabit WAN port and three Gigabit LAN ports, it delivers full-capacity gigabit

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broadband without speed limitations for an ultra-fast internet experience.

- Extravagant memory capacity supports over 150 high-bandwidth connections, enabling multi-user concurrency without performance degradation or interference, ensuring stable and reliable performance.
- The housing features a sophisticated, stylish, and minimalist design, enhancing heat dissipation and ventilation for superior operational stability.
- Versatile applications suitable for various indoor settings such as homes, apartments, hotels, and rental properties.

### Product Specification

|                                |                                     |   |
|--------------------------------|-------------------------------------|---|
| product name                   | 1800M WIFI6 Desktop Wireless Router |   |
| product model                  | WR1800X                             |   |
| <b>Hardware Specifications</b> |                                     |   |
| hardware system                | master control                      | MT7621AT+MT7905N+MT7975DN   |
|                                | internal storage                    | DDR3 256MB  |
|                                | FLASH                               | 16MB  |
| Wireless Parameters            | protocol standard                   | IEEE 802.11 a/b/g/n/ac/ax   |
|                                | Working Frequency Band              | 2.4GHz: 2.412GHz–2.472GHz<br>5GHz: 5.180GHz ~ 5.825GHz  |
|                                | Wireless Speed                      | The 2.4G network offers a maximum access speed of 574 Mbps.<br>5G offers an access speed of up to 1201 Mbps.          |
|                                | transmitting power                  | 2.4G: 20dBm<br>5.8G: 20dBm  |
| physical interface             | network interface                   | Four Ethernet interfaces with speeds of 10/100/1000 Mbps (1 WAN port + 3 LAN ports)                                   |
|                                | Power Supply Interface              | One DC power port, supporting 12V/1A power supply   |
|                                | push-key switch                     | 1 RESET button  |
|                                | antenna                             | Three 5dBi high-gain, 2.4 GHz omnidirectional WIFI antennas<br>Three 5dBi high-gain, omnidirectional 5G WiFi antennas |
| pilot lamp                     | LED pilot lamp                      | Three-color indicator light   |
| Power Supply/Power             | power supply mode                   | Power supply: DC 12V / 1A   |

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|   |                                     |  |
|---|-------------------------------------|--|
| Consumption                                     | Total Power of the Device           | < 8W   |
| Product Accessories                             | 1800M WIFI6 Desktop Wireless Router | 1 unit   |
|   | DC 12V/1A Power Adapter             | 1  |
|   | User Manual                         | 1 copy   |
|   | Network Cable                       | 1 Item   |
|   | certificate                         | 1 copy   |
| Size/Design/Packaging                           | product size                        | 247mm × 148mm × 190mm  |
|   | Appearance Color                    | white  |
|   | weight                              |  |
|   | packing measurement                 |  |
|   | carton size                         |  |
|   | packing quantity                    |  |
|   | net weight                          |  |
| else  | levels of protection                | IP31   |
|   | way to install                      | Desktop, Wall-Mounted  |
|   | service environment                 | Operating temperature: -40°C to 55°C<br>Storage temperature: -40°C to 70°C<br>Working humidity: 10%–90% RH (no condensation occurs)<br>Storage humidity: 5%–95% RH (no condensation) |
| <b>Software Specifications (OPENWRT System)</b> |                                     |  |
| System Display                                  | support                             |  |
| Network Functions                               | Internet Access Method              | PPPOE、STATIC、DHCP  |
|   | Network Status Display              | support  |
|   | Wide Area Network Configuration     | support  |
|   | Local Area Network Settings         | support  |
|   | DHCP set up                         | support  |
|   | IPv6 Configuration                  | support  |
| Wireless Settings                               | Wireless Status                     | support  |

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|                                |                                 |   |
|--------------------------------|---------------------------------|---|
|                                | Display                         |   |
|                                | SSID revise                     | support   |
|                                | SSID broadcasting               | support   |
|                                | SSID hide                       | support   |
|                                | Wireless Mode                   | 2.4G supports 802.11B/G/N/AX<br>5.8G supports 802.11A/N/AC/AX                 |
|                                | Wireless Bandwidth              | 2.4G supports 20 MHz/40 MHz<br>5.8G supports 20 MHz, 40 MHz, and 80 MHz bands |
|                                | Channel Modification            | support   |
|                                | Channel Analysis                | support   |
|                                | Wireless Encryption             | WPA2PSK、WPAPSKWPA2PSK   |
|                                | Seamless roaming                | support   |
| Maximum Number of Access Users | 2.4G                            | 80+   |
|                                | 5.8G                            | 80+   |
| Terminal Management            | Terminal Management             | support   |
| QoS set up                     | QoS set up                      | support   |
| OpenVPN                        | OpenVPN                         | support   |
| Routing Function               | Routing Function                | support   |
| firewall                       | IP/Port Filtering               | support   |
|                                | MAC filter                      | support   |
|                                | URL filter                      | support   |
|                                | port mapped                     | support   |
|                                | Wan Ping Settings               | support   |
|                                | DMZ set up                      | support   |
|                                | UPNP set up                     | support   |
|                                | Static Routing                  | support   |
| system management              | device management               | Supports Chinese/English web management interface                             |
|                                | Administrator Password Settings | support   |
|                                | NTP set up                      | support   |
|                                | software upgrading              | support   |
|                                | system log                      | support   |
|                                | Restart the software            | support   |
|                                | Reset 定时 restart                | support   |
|                                | factory data reset              | support   |
|                                | Configure Backup                | support   |
|                                | Configure Import                | support   |
| system tools                   | Ping check                      | support   |
|                                | DHCP check                      | support   |

**Product Interface Description**

