

**The AX1801 is a high-performance Wi-Fi 6 Router, built with the latest generation 802.11ax technology.**

Equipped with OFDMA, the AX1801 provides speeds up to 1.8Gbps, 4x faster than 11ac technology, and greater capacity to handle more devices on your network, ensuring that you can enjoy blazing fast Internet connections on all your devices. The AX1801 is equipped with a powerful dual-core processor that ensures superior performance for concurrent, real-time applications such as multimedia streaming, online gaming, and audio/video chats. Additionally, the AX1801 provides best-in-class cybersecurity with WPA3 to protect you from malware, stolen passwords, identity theft, and hacking. The AX1801 can be used in large homes and small offices for a stable and fast Wi-Fi experience.



### Features

- Wi-Fi 6 (IEEE 802.11ax)
- Simultaneous 1201Mbps on 5GHz and 573.5Mbps on 2.4GHz for a total of 1774.5Mbps
- OFDMA to improve capacity and efficiency of your network
- MU-MIMO technology
- 4 External 5dBi fixed antennas & beamforming technology
- 4 Full gigabit ports
- Supports DHCP, Static IP, PPPoE over IPv4 and IPv6
- Supports WPA3 wireless security protocols
- Supports VPN (Wireguard and OpenVPN), Access Point, Client Mode and 802.11s mesh
- Firmware based on OpenWRT 22.03 with Linux kernel version 5.10.127

*Maximum wireless transmission rates are the physical rates derived from IEEE Standard 802.11 specifications. Range and coverage specifications are based upon test results under normal usage conditions. Actual wireless transmission rate and wireless coverage are not guaranteed, and will vary as a result of 1) environmental factors, including building materials, physical objects and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead and 3) client limitations, including rated performance, location, connection quality, and client condition.*



# SPECIFICATIONS

Hardware			
Chipsets Flash RAM Interface  Power Supply Antenna Button  LED Indicators  Dimensions (L x W x H)	<div>- MT7621A+MT7915DA+MT7975DN</div> <div>- 16Mbyte/256Mbyte</div> <div>- 4*1000Mbps LAN Ports</div> <div>- 1*1000Mbps WAN Port</div> <div>- 12V DC/1A</div> <div>- 4 * 5dBi fixed external antennas</div> <div>- 1*RST/WPS</div> <div>- 1*DC/IN</div> <div>- 1 *SYS(Blue)</div> <div>- 4 *LAN(Green), 1 *WAN(Green)</div> <div>- 204.8 x 137.5 x 38.3mm</div>		
Wireless			
Standards  RF Frequency  Data Rate  EIRP  Wireless Security  Reception Sensitivity	<div>- IEEE 802.11ax, IEEE 802.11ac, IEEE 802.11n,</div> <div>- IEEE 802.11g, IEEE 802.11b, IEEE 802.11a</div> <div>- 2.4~2.4835GHz</div> <div>- 5.18~5.825GHz</div> <div>- 2.4GHz: Up to 573.5Mbps (2*2 40MHz)</div> <div>- 5GHz: Up to 1201Mbps (2*2 80MHz)</div> <div>- 2.4GHz &lt; 20dBm</div> <div>- 5GHz &lt; 20dBm</div> <div>- WPA2/WPA Mixed</div> <div>- WPA3</div> <div>- 2.4G: 11b: &lt;-85dbm;</div> <div>11g: &lt;-72dbm;</div> <div>11n: HT20&lt;-68dbm HT40: &lt;-65dbm</div> <div>- 5G: 11a:&lt;-72dbm;</div> <div>11n: HT20&lt;-68dbm HT40: &lt;-65dbm</div> <div>11ac: &lt;-55dbm</div> <div>11ax VHT80 : &lt;-46dbm 11ax VHT160 : &lt;-43dbm</div>		
Software			
Basic  Network  Wireless  Device Management Security NAT Remote network Service Tools  Operation Mode  Other Function	<div>- Internet Settings</div> <div>- Guest Network Settings</div> <div>- Internet Setup</div> <div>- IPTV</div> <div>- Wireless Setup</div> <div>- Access Control</div> <div>- Smart QoS</div> <div>- Routing Table</div> <div>- IP/Port Filtering</div> <div>- Virtual Server</div> <div>- L2TP Server</div> <div>- Remote</div> <div>- Change Password</div> <div>- Upgrade</div> <div>- Log</div> <div>- Gateway mode</div> <div>- Repeater mode</div> <div>- Multi-language</div> <div>- QR Code</div> <div>- Logout</div>	<div>- Wireless Settings</div> <div>- LAN Setup</div> <div>- IPv6</div> <div>- Guest Network</div> <div>- Advanced</div> <div>- Static Route</div> <div>- MAC Filtering</div> <div>- DMZ</div> <div>- Shadow socks</div> <div>- UPnP</div> <div>- Time Setup</div> <div>- Diagnosis</div> <div>- Bridge mode</div> <div>- WISP mode</div> <div>- LED Control</div>	<div>- Parental Control</div> <div>- DDNS</div> <div>- Schedule</div> <div>- Parental Control</div> <div>- IP/MAC Binding</div> <div>- URL Filtering</div> <div>- VPN Passthrough</div> <div>- Account Manage</div> <div>- Schedule</div> <div>- System</div> <div>- Route Tracking</div> <div>- Domain Access</div> <div>- Reboot</div>
Other			
Package Contents  Environment	<div>- AX1801 Wireless Router *1</div> <div>- Power Adapter *1</div> <div>- RJ45 Ethernet Cable *1</div> <div>Warranty</div> <div>1 Year Limited Product Warranty</div> <div>- Operating Temperature: 0°C~50 °C (32 °F~122°F)</div> <div>- Storage Temperature: -40°C~70 °C (-40 °F~158°F)</div> <div>- Operating Humidity: 10%~90% non-condensing</div> <div>- Storage Humidity: 5%~90% non-condensing</div>		