

# Wi-Fi 6 AX 1800 Indoor Gigabit Router

W6-184AX

Wireless AX1800	MU-MIMO+OFDMA	1024 QAM Modulation	4 x Giga WAN/LAN
5G & 2.4Ghz Dual Bands	Smart Beamforming	WPA3 security	OpenWRT



## Overview

- 802.11ax 1800Mbps Wireless speed
- Multi-Gigabit ports
- Stable Internet connection for multi-tasking
- OFDMA + MU-MIMO Lower latency when multiple devices are operated simultaneously
- DDR memory Support up to 1Gbit Stable connection to 128 devices
- 4-channel external high-performance signal amplifier, better coverage no need to penetrate the wall
- WPA3 network encryption, enhanced wireless connection security
- Support OpenWRT

## Benefits

### OFDMA Technology for Higher Density of Simultaneous Users

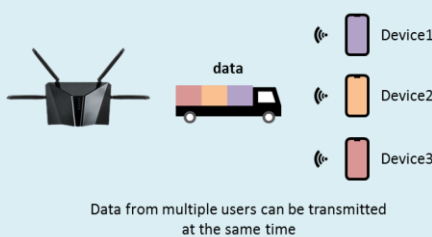
In traditional router, data can only be transmitted from one user at a time. Now WiFi-6 Routers dual-band, MU-MIMO combined OFDMA (Orthogonal Frequency Division Multiple Access) , it allows data can be transmitted from multiple users at the same time.



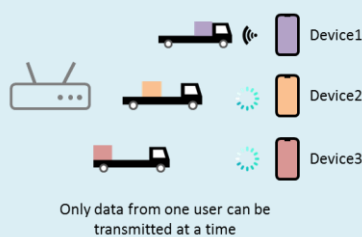
## FEATURES

- Equipped with Broadcom chipset
- 11a/b/g/n/ax
- MU-MIMO, 2 x 2
- 20/40/80Mhz Channel
- 1800Mbps wireless speed (573Mbps + 1201Mbps)
- Concurrent dual band
- 1 x 10/100/1000mbps WAN
- 3 x 10/100/1000mbps LAN

WiFi-6 Router with OFDMA Support



Traditional WiFi-5 Router



## Applications

- Home, SOHO, Office
- Gaming
- AR/VR
- Routing

### Back view



Model	W6-184AX AX1800 indoor Gigabit Router
<b>Device Interface</b> <ul style="list-style-type: none"> <li>• <b>Main Chip:</b> MTK MT7621A</li> <li>• <b>Ethernet:</b> 3 x RJ45 10/100/1000mbps</li> <li>• <b>WAN:</b> 1 x RJ-45 10/100/1000mbps</li> <li>• <b>WiFi:</b> 2 x 802.11ax/ac/n 2T2R(2.4Ghz) 2 x 802.11ax/ac 2T2R (5Ghz)</li> <li>• <b>Reset:</b> 1 Button</li> <li>• <b>WPS:</b> 1 Button</li> <li>• <b>Power Input:</b> 1 x 12VDC 1A</li> <li>• <b>Antenna Connector:</b> 2 x Wireless Antenna (5Ghz) 2 x Wireless Antenna (2.4Ghz)</li> </ul> <b>WAN</b> <ul style="list-style-type: none"> <li>• <b>WAN:</b> PPPoE, PPPoE pass-through, IPoE, Transparent Bridge</li> </ul> <b>WiFi</b> <ul style="list-style-type: none"> <li>• <b>Standard:</b> IEEE 802.11a/b/g/n/ax, 2x2 20/40/80 MHz channels</li> <li>• <b>Functions:</b> Multi-SSID, WMM</li> <li>• <b>Security:</b> WEP, WPA, WPA2, WPA3,WPA-PSK, 802.1x</li> <li>• <b>Modulation :</b> 1024-QAM modulation rates</li> </ul> <b>IPv6</b> <ul style="list-style-type: none"> <li>• <b>IPv6 Ready Logo Certified</b></li> <li>• <b>IPv6 Firewall</b></li> <li>• <b>IPv6 capable apps</b></li> </ul> <b>Firewall/Filtering</b> <ul style="list-style-type: none"> <li>• <b>Stateful Inspection</b></li> <li>• <b>Denial of Service suppression:</b> ARP, Ping, Ping of Death, Land, SYNC, Smurf, unreachable, teardrop, SYN flood, fraggle, echo.</li> <li>• <b>Packet filtering:</b> Pack Packets can be blocked based on interface, mac address, IP address, protocol, and port number.</li> <li>• <b>LAN side firewall:</b> By default, LAN side firewall is disabled</li> </ul>	<b>ALG</b> <ul style="list-style-type: none"> <li>• <b>FTP</b></li> <li>• <b>TFTP</b></li> <li>• <b>SIP</b></li> <li>• <b>RTSP</b></li> <li>• <b>H.323</b></li> <li>• <b>Port Triggering</b></li> <li>• <b>PPTP</b></li> <li>• <b>IPSec/VPN and IPSec/L2TP</b></li> </ul> <b>Parental Control</b> <ul style="list-style-type: none"> <li>• <b>Time of day usage restriction</b></li> <li>• <b>URI/URL Filtering</b></li> </ul> <b>Environment</b> <ul style="list-style-type: none"> <li>• Operating temperature : 0°C ~ +50°C</li> <li>• Storage Temperature : -10°C ~ +70°C</li> <li>• Humidity : 10% ~ 90% (non-condensing)</li> <li>• Enclosure : Plastic</li> </ul> <b>Package Accessory</b> <p>1 x Device, 1 x Power Adapter, 4 x Wireless Antenna</p> <b>Ordering information</b> <ul style="list-style-type: none"> <li>• <b>W6-184AX:</b> Wi-Fi 6 AX 1800 Indoor Gigabit Router, 802.11ax 1800Mbps, 1 x 10/100/1000 WAN, 3 x 10/100/1000 LAN</li> </ul> <b>NOTE</b> <ul style="list-style-type: none"> <li>• <i>Specifications are subject to change without prior notice.</i></li> </ul>