

Wi-Fi 6 AX 1800 Indoor Gigabit Router

W6-183AX

BCM6755 Quad Core

Wireless AX1800

MU-MIMO+OFDMA

1024 QAM Modulation

3 x Giga WAN/LAN

1 x USB

5G & 2.4Ghz
Dual Bands

Smart Beamforming

WPA3 security

OpenWRT



Overview

- 802.11ax 1800Mbps Wireless Speed
- Multi-Gigabit Ports
- Broadcom advanced Quad Core Chip, BCM6755
- Stable Internet connection for multi-tasking
- Lower latency when multiple devices are operated simultaneously
- 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

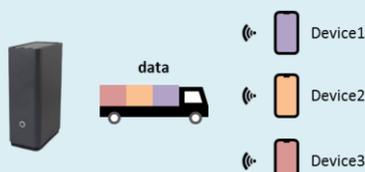
Benefits

OFDMA Technology for Higher Density of Simultaneous Users

In traditional router, data can only be transmitted from one user at a time.

Now Wi-Fi 6 Router supports dual-band, MU-MIMO combined OFDMA (Orthogonal Frequency Division multiple Access), it allows data can be transmitted from multiple users at the same time.

WiFi-6 Router with OFDMA Support



Data from multiple users can be transmitted at the same time

Traditional WiFi-5 Router



Only data from one user can be transmitted at a time

Applications

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



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
- 2 x 10/100/1000mbps LAN

Top view



Back View





Model	W6-183AX AX1800 indoor Gigabit router
<p>Device Interface</p> <ul style="list-style-type: none">• Main Chip: Broadcom BCM6755, Quad Core• Ethernet (LAN): 2 x RJ45 10/100/1000mbps• WAN: 1 x RJ-45 10/100/1000mbps• WiFi: 2 x 802.11ax/ac/n 2T2R(2.4Ghz) 2 x 802.11ax/ac 2T2R (5Ghz)• Reset: 1 Button• WPS: 1 Button• Power Input: 1 x 12VDC 1A• Antenna 2 x Wireless Antenna (5Ghz) 2 x Wireless Antenna (2.4Ghz) <p>WAN</p> <ul style="list-style-type: none">• WAN: PPPoE, PPPoE pass-through, IPoE, Transparent Bridge <p>WiFi</p> <ul style="list-style-type: none">• Standard: IEEE 802.11a/b/g/n/ax, 2x2 20/40/80 MHz channels• Functions: Multi-SSID, WMM• Security: WEP, WPA, WPA2, WPA3,WPA-PSK, 802.1x• Modulation : 1024-QAM modulation rates <p>IPv6</p> <ul style="list-style-type: none">• IPv6 Ready Logo Certified• IPv6 Firewall• IPv6 capable apps <p>Firewall/Filtering</p> <ul style="list-style-type: none">• Stateful Inspection• Denial of Service suppression: ARP, Ping, Ping of Death, Land, SYNC, Smurf, unreachable, teardrop, SYN flood, fraggle, echo.• Packet filtering: Pack Packets can be blocked based on interface, mac address, IP address, protocol, and port number.• LAN side firewall: By default, LAN side firewall is disabled	<p>VPN</p> <ul style="list-style-type: none">• IPSec VPN• L2TP client• PPTP client <p>ALG</p> <ul style="list-style-type: none">• FTP• TFTP• SIP• RTSP• H.323• Port Triggering• PPTP• IPSec/VPN and IPSec/L2TP <p>Parental Control</p> <ul style="list-style-type: none">• Time of day usage restriction• URI/URL Filtering <p>Environment</p> <ul style="list-style-type: none">• Operating temperature : 0°C ~ +50°C• Storage Temperature : -10°C ~ +70°C• Humidity : 10% ~ 90% (non-condensing)• Enclosure : Die Casting Base + Plastic <p>Package Accessory</p> <p>1 x Device, 1 x Power Adapter</p> <p>Ordering information</p> <ul style="list-style-type: none">• W6-183AX Wi-Fi 6 AX 1800 Indoor Gigabit Router, 802.11ax 1800Mbps, 1 x 10/100/1000 WAN, 2 x 10/100/1000 LAN <p>NOTE</p> <ul style="list-style-type: none">• <i>Specifications are subject to change without prior notice.</i>



WiFi-6