

Wi-Fi 6 AX 1800 Indoor Gigabit Router

W6-185AX

BCM6755 Quad Core

Wireless AX1800

5G & 2.4Ghz
Dual Bands

5 x Giga WAN/LAN

OpenWRT

MU-MIMO+OFDMA

Smart Beamforming

WPA3 security

1024 QAM Modulation



Overview

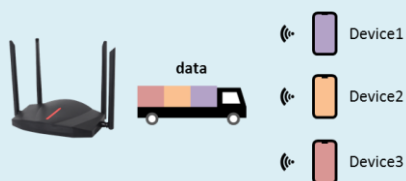
- 802.11ax 1800Mbps Wireless speed
- Multi-Gigabit ports
- Broadcom advanced Quad Core Chip, BCM6755
- Stable Internet connection for multitasking
- OFDMA + MU-MIMO Lower latency when multiple devices are operated simultaneously
- DDR memory support up to 1Gbit Stable connection to 128 devices
- 4-channels 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
- 4 x 10/100/1000mbps LAN

Back View





Model	W6-185AX AX1800 Gigabit Router
<p>Device Interface</p> <ul style="list-style-type: none"> • Main Chip: Broadcom BCM6755, Quad Core • Ethernet (LAN): 4 x RJ45 10/100/1000mbps • WAN: 1x 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 Connector: 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 : Plastic <p>Package Accessory</p> <p>1 x Device, 1 x Power Adapter, 4 x Wireless Antenna</p> <p>Ordering information</p> <ul style="list-style-type: none"> • W6-185AX Wi-Fi6 AX 1800 Indoor Gigabit Router 802.11ax 1800Mbps, 1 x 10/100/1000 WAN, 4 x 10/100/1000 LAN <p>NOTE</p> <ul style="list-style-type: none"> • <i>Specifications are subject to change without prior notice.</i>

