



Overview

BRAX EA1301 is a AX1800 Wi-Fi6 Ceiling Mount access point, which can be deployed in various scenarios such as enterprises, hotels, and shopping malls to provide users with high-speed WLAN access. In addition to basic routing, Wi-Fi, and Firewall function, it can also support remote management, providing convenient methods for unified deployment and management.

Hardware Specification

Platform	CPU: Qualcomm 4 Core A53 1.2GHz Flash: 128MB, RAM: 512MB
Standards	2.4GHz IEEE 802.11 b/g/n/ax 2T2R 5GHz IEEE 802.11a/n/ac/ax 2T2R
Data rate	2.4GHz: 574Mbps (2ss 40MHz) 5GHz: 1201Mbps (2ss 80MHz)
Antennas	Internal Omni 2.4GHz 2*2 Internal Omni 5GHz 2*2 Gain: 3dBi
Interface	1×GE WAN port, support POE 1×GE LAN port 1×DC power port
Button	1×Reset
LED	1×System LED
Power consumption	<15W
Power supply	802.3af PoE 12 V/1.5A DC
Physical specification	Dimension: 220*220*46mm
Environment	Work temperature: -10°C ~ +40°C Storage temperature: -40°C ~ +70°C Humidity: 5% ~ 95%

BRAX EA1301

AX1800 Wi-Fi6 Access Point

Software Specification

Wireless LAN

- Support 802.11 a/b/g/n/ac/ax Standards
- 20/40/80 MHz bandwidth
- Channel adaption
- MSSID + Guest network
- WPS: PBC/PIN modes
- WPA/WPA2/WPA3 security

Network Protocols and Features

- Operation modes: Bridge or Routed
- Connection modes: PPPoE/DHCP/Static
- IPv4, IPv6, IPv4/IPv6
- DHCP v4/v6 server
- Static (v4/v6) routing
- NAT/ALG/DMZ/virtual server
- ARP/ICMP/DNS proxy
- NTP
- VLAN
- VPN

Management

- WebUI local management
- TR069 remote management
- Universal Plug and Play (UPnP)
- Online and local software upgrade
- Local diagnostic

Firewall

- Built-in firewall
- Defense of DoS, ARP attacks/Port scan
- MAC/Port filtering
- 802.1x

Quality of Service Control

- 802.11e WMM
 - Classification of service flow
 - Port/VLAN/ IP rate limitation
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Application Scenario

