

# EVO6500EXT

## Wi-Fi 6 Mesh Beacon

Featuring 4x4 Antennas  
802.11ax Wi-Fi Capability  
(2.4GHz 2x2 + 5GHz 4x4)

EVO6500EXT enables service providers to safely provide high-quality Wi-Fi to all locations in the subscriber's home. By using 802.11ax (Wi-Fi 6) technology, customers enjoy faster and more stable services than before, ensuring flexibility in location and ease of installation. Service providers can leverage Evolution's Device Manager software suite (eDM Broadband operator tool and eDM Wi-Fi end-user mobile application) to reduce support costs. EVO6500EXT is also available on the OpenSync framework beginning June 2021, which features Plume's SaaS tools.



### KEY FEATURES

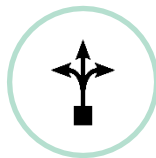
- Upload and Download OFDMA AP & STA
- Wi-Fi 6 MU-MIMO
- 2.4GHz 2x2 + 5GHz 4x4
- RAM: 512MB DDR3
- NAND: 256MB
- Dual-band Antenna
- IPv4/IPv6 support
- Smart Roaming (AP steering)
- Remote Management (TR-069)
- Giga Ethernet LAN Ports



2X2 / 4X4



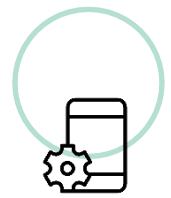
802.11ax  
(Wi-Fi 6)



Dual Band  
Concurrent



TR-069



Mobile App  
Support

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## Network

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- IPv4/IPv6 support
- IGMP(v3), IGMP Snooping, MLD
- VLAN IEEE 802.1q
- QoS : IEEE 802.1p, IPv4/IPv6, MAC, Port and DiffServ,
- WMM, WRED, WRR, Leaky Bucket Shaper Schedule
- MSTP (Multiple Spanning Tree Protocol)
- Multiple PVC Support

## WLAN

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- Wi-Fi Access Point  
2.4GHz 11ax : 2x2  
5GHz 11ax : 4x4 (160MHz)
- 20/40/80/160 MHz channels
- WPS support
- Multi SSIDs
- IAS (Intelligent Airtime Scheduling), Band Steering, Hotspot 2.0

## 802.11ax

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- UL and DL OFDMA AP & STA support
- 11ac and 11ax MU-MIMO
- 4x Symbol Size
- Target Wake Times(TWT)
- 11ax Range Extension mode
- 1024 QAM

## Smart Wi-Fi

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- Roadmap to EasyMesh R2 certification upon industry readiness (1H 2021)
- Smart roaming (AP steering)
- 802.11 k/v/r
- Band-steering
- ACS (Auto Channel Selection)

## Accessory

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- 12V / 1.5A Power adaptor
- Ethernet Cable
- User Manual

## Management/ Diagnostics/ Configuration

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- TR-069, TR-181v2
- TFTP, FTP
- WEB/UI(HTTP/HTML), Remote Diagnostics
- Operator tool (eDM Broadband) and mobile app (eDM Wi-Fi)

## Compliance/Certificates

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- RoHS Compliant
- Wi-Fi Alliance

## Physical Interface

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- Front Panel
  - LEDs
- Rear Panel
  - 2 x GbE LAN Ports (1st GbE + 2nd GbE)
- Factory Reset Button
- WPS Button
- Power Switch

## Features

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- Wi-Fi InSight
- Graphical connection view

## Mechanical & Environmental Specification

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- Operating Temperature : 0°C (32°F) ~ 40°C (104°F)
- Storage Temperature : -30°C (86°F) ~ 60°C (140°F)
- Humidity : 10 ~ 90% (Non-condensing)
- Dimensions(W x D x H) : 54(7.2)mm x 130mm x 130mm