

# EVO5500EXT

## WI-FI MESH BEACON

Leveraging Wi-Fi EasyMesh™, Evolution Digital's EVO5500EXT wireless beacon allows service providers to bring a standards-based approach to deploying efficient, self-organizing and adaptable networks comprised of multiple access points. This creates a single, unified whole-home Wi-Fi network and delivers high-quality Wi-Fi performance throughout a subscriber's home. Featuring 5GHz 4x4 antennas and 802.11ac Wave 2 Wi-Fi capability, including beamforming, EVO5500EXT helps maximize Internet speeds for 4K Ultra HD streaming services and connections to multiple devices, while having flexibility of location and ease of install.

The EVO5500EXT is connected to an existing residential gateway, home router or wireless extender. The EVO5500EXT will automatically configure itself to act as a wireless beacon, and seamlessly pair with other Wi-Fi EasyMesh certified devices. EVO5500EXT features robust Wi-Fi management capabilities via Evolution's Device Manager (eDM) full suite of management features to ensure a superior QoE and reduce rising service providers' expenses. Specifically, EVO5500EXT includes web-based operator remote diagnostic and control tool, as well as an end-user mobile application for subscribers.



### KEY FEATURES

#### Specifications

- Ultimate Wireless Speed(AC2000)  
300Mbps(2.4GHz), 1750Mbps(5GHz)
- Giga Ethernet
- 802.11a/b/g/n/ac
- 2.4GHz(802.11n) : 2T2R
- 5GHz(802.11ac) : 4T4R
- Channel BW : 20/40/80/160(80+80)MHz
- RAM: 256MB DDR3
- NAND: 128MB

#### Maintainability

- Remote Monitoring & Display in Topology (TR-069, eDM)
- WEB UI(HTTP/HTML)

#### Security

- WPA/WPA2(AES)

#### Network

- IPv4
- DHCP v4 Server/Client
- IGMP
- Multicast support
- QOS
  - WMM, IEEE 802.1p(DiffServ)
- Extender Mode
- Smart Mesh
  - Band Steering

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## Network

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- IPv4
- DHCP v4/v6 server/client
- IGMP(v3)
- Multicast support
- NTP client
- IEEE 802.1x client

## WLAN

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- 802.11a/b/g/n/ac dual-band concurrent
- 2x2 (11n 2.4GHz), 4x4 (11ac 5GHz)
- 20/40/80/160(80+80) MHz Channels
- MU-MIMO support
- Wi-Fi Smart Mesh - AP Steering (Easy Set-up/Mobile Set-up)

## Quality of Service

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- Wi-Fi Multimedia(WMM)
- IEEE 802.1p(DiffServ)
- IEEE 802.1q VLAN
- Common SSID with capability for guest SSID

## Security

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- Security/Encryption modes
- WPA-PSK/WPA2-PSK(AES)
- Stateful Packet inspection Firewall
- MAC address filtering

## Management/ Diagnostics/ Configuration

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- Remote Monitoring & Display in Topology (TR-069, eDM Broadband)
- WEB/UI (HTTP/HTML)
- User-friendly eDM Wi-Fi Mobile App:
  - Graphical Display, Statistics Info
  - Error Status Notification
  - Topology Map

## Compliance/Certificates

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- FCC/UL
- RoHS Compliant
- Wi-Fi Alliance

## Interface

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- Front Panel
  - LEDs
  - WPS push button
- Back Panel
  - 2 x GbE LAN ports
  - Reset(pin hole)
  - Power Switch
  - Power input

## Mechanical & Environmental Specification

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- Operating Temperature : 0°C (32°F) ~ 40°C (104°F)
- Storage Temperature : -40°C (-40°F) ~ 70°C (158°F)
- Humidity : 10 ~ 90% (Non-condensing)
- Dimensions(H x W x D mm) : 160 x 160 x 50