

EVO5000AP AP ROUTER

Evolution Digital offers EVO5000AP, a powerful dual band gigabit AP router designed for simultaneous connections for multiple devices, as well as enabling Ultra-HD video over Wi-Fi without interruption throughout the home.

EVO5000 embraces cutting-edge technologies such as MU-MIMO, beamforming and spatial multiplexing, increasing throughput and extending Wi-Fi coverage. This feature-rich AP Router also guarantees the highest quality of service and security with its independent, hyper-secure OS.

EVO5000AP enables easy and cost-saving management with advanced management protocols such as SNMP, TR-069, TR-098 and TR181 as well as user friendly GUI. Evolution Digital Wi-Fi dynamic and adaptive remote management and diagnostic capabilities.



KEY FEATURES

Wi-Fi Features

- Ultimate Wireless Speed(AC2200)
450Mbps(2.4GHz), 1750Mbps(5GHz)
- Simultaneous Dual Band
- 802.11a/b/g/n/ac
- 2.4GHz(802.11n) : 3T3R
- 5GHz(802.11ac) : 4T4R
- Channel BW
: 20/40/80/160(80+80)MHz

Maintainability

- TR-069 and TR-181
- Remote Management Server +
Device Management
- Wi-Fi Insight
- SON – Self-adjustment/recovery/
health check

Security

- WPS, SSL, WPA/WPA2(TKIP/AES)
- IEEE802.11i, Firewall

Network

- DHCP v4/v6 Server/Client
- IGMP
- Multicast support
- NAT(IPv4)
- QOS
 - WMM, IEEE 802.1p, 802.1q VLAN
- WAVE2(MU-MIMO)
- Airtime fairness
- Band Steering
- Dual Stack IPv4, IPv6
- Wi-Fi Scanner (via eDM)

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Network

- IPv4/IPv6 dual stack support
- DMZ
- DHCP v4/v6 server/client
- DNS proxy
- IGMP(v3), MLD – Multicast support
- VLAN IEEE 802.1q
- Dynamic and Static NAT-NAPT

WLAN

- 802.11a/b/g/n/ac dual-band concurrent
- MU-MIMO(Wave2)
- 11n 3x3 (2.4GHz), 11ac 4x4 (5GHz)
- 20/40/80/160(80+80) MHz channel bandwidth
- Wi-Fi Smart Mesh - AP Steering (Easy Set-up/Mobile Set-up)
- Wi-Fi Scanner, DFS
- Auto-Channel Selection (ACS), Interference Immunity
- Multi-SSID (up to 2 SSIDs for each radio)
- QoS (WMM,802.11e, 802.1p, Queuing Classification)
- Beamforming
- Output power(EIRP)
- 2.4GHz : 26 (±2)dBm, 5GHz : 28 (±2)dBm (Total Combined Power, with Antenna Gain)

Security/Safety

- Security/Encryption modes
- WPA-PSK/WPA2-PSK(TKIP/AES)
- Stateful Packet Inspection (SPI)
- Port-forwarding
- IP/Port/MAC
- NAT, VLAN
- DMZ support

Compliance/Certificates

- FCC/UL
- RoHS Compliant

Management/ Diagnostics/ Configuration

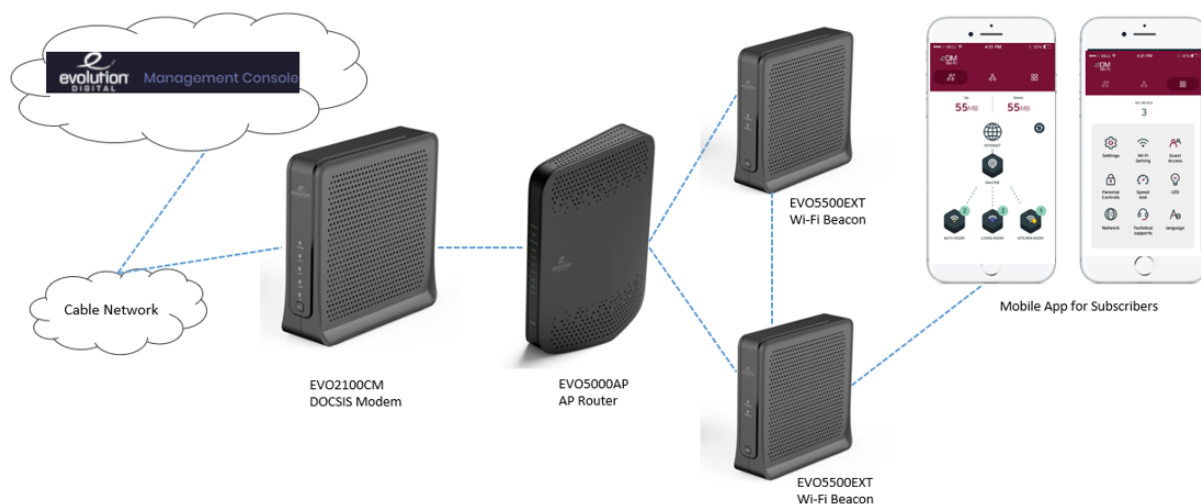
- Web-based GUI control configuration and management
- Remote Diagnostics (TR-069, TR-181)
- Remote Management Server + Device Management (via eDM)
- User-friendly Diagnostics
- Graphical Display, Statistics Info
- Error Status Notification
- Topology Map

Interface

- Front Panel
- LEDs
- WPS push button
- Back Panel
- 1 GbE WAN port
- 4 GbE LAN ports
- 1 USB 3.0 port
- 12V DC/2 Amps
- Power input, Reset(pin hole)

Mechanical & Environmental Specification

- 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) :
210 x 81 x 155mm



All values are typical unless noted otherwise. Specifications are subject to change without notification.