

# Wave 2 MU-MIMO AC 1200 Gigabit Access Point

## Central Management, Multi function, Dual Band

### AirCloud TOP-12AC

airlive®



MTK  
Dual Core

Wireless  
AC1200

Central  
Management  
Supported

5G & 2.4Ghz  
Dual Bands

AP/Gateway  
Mode

Wave 2  
MU-MIMO

2 x Giga  
WAN/LAN

Cloud  
Control

FIT/FAT  
Mode

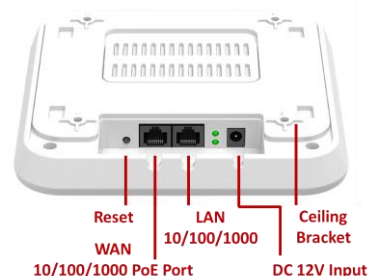
PoE & DC  
input

## Overview

### Multi function High Speed Access Point

The Airlive TOP-12AC is a multi function Access Point which features 1x 1Gbps LAN port and 1x 1Gbps WAN PoE input port. The TOP-12AC supports FIT/FAT Operation mode. Meaning it can work as a standalone access point at home or in the office and as an access point which is controlled by an AirLive WLAN Controller like the AirLive WLAN-128GM/64GM for large Enterprises or organizations where central management is preferred.

Choose AP or AP Gateway mode, In AP Gateway mode the TOP-12AC offers the WAN port features like PPPoE and functions like QoS, URL & MAC filtering. In AP mode the TOP-12AC is a standalone default Access Point. The TOP-AC12 can also be controlled via AirCloud, Cloud control.



## Features

- WiFi 5 11a/b/g/n/ac compliant
- Wave 2 MU-MIMO
- 2T2R 1200Mbps Wireless High Speed (300Mbps + 900Mbps)
- 20/40/80Mhz Channel
- Concurrent dual bands
- 1 x 10/100/1000mbps WAN
- 1 x 10/100/1000mbps LAN
- 802.3af PoE power input (WAN)
- FIT/FAT Operation mode
- AP and AP Gateway Operation Mode
- Cloud Management Support
- AC Controller Support with AirLive WLAN-128GM/64GM
- Cloud control via AirCloud.
- Up to 8 Multiple SSID
- VLAN Support in AP Mode
- QoS in AP Gateway Mode
- URL/MAC/IP Filtering

### Advanced Management Fit (central management) and Fat (Stand-alone AP) Operation Mode or, Cloud management

The AirLive TOP-12AC offers several different ways to control and operate it.

**Fit mode:** In this mode the Access Point (TOP-12AC) works with an AirLive WLAN Access Controller (WLAN-128GM/64GM), the controller is the “brain” of the TOP-12AC Access Point and controls all functions like wireless settings, encryption and more. The Fit mode is used for large enterprise setups where a large number of AP's need to be controlled all at ones. Using the Fit mode in the Top-12AC and an WLAN Access Controller it will save a lot of the time and difficulties in setup.

**Fat mode:** In this mode the Access Point (TOP-12AC) works as a standalone device with all wireless and encryption functions being setup and controlled within the AP itself. This is more suitable for residents or offices where less AP's are installed. The Fat mode has an AP mode and AP Gateway mode. In Gateway mode the WAN port can be to connect to a Modem/Router via PPPoE, DHCP or Static IP. In AP Mode the TOP-12AC can be connected to an existing network and work without the WAN port features.

**Cloud Control:** The AirLive TOP-12AC can be controlled via AirCloud, once the AP has been added to the Cloud. It can be controlled from any location. This offers extra benefits when dealing with a large network of Access Points, as local access is not needed, and support can be given from a remote office. Also, multiple levels of control can be given in the Cloud from Admin to only viewer rights. AP's can be added and removed at anytime.



Model	TOP-12AC AC1200 Access Point
<b>Device Interface</b> <ul style="list-style-type: none"> <li>• <b>Main Chip:</b> MTK, Dual Core MT7621DAT</li> <li>• <b>Flash:</b>8MB</li> <li>• <b>RAM:</b>128MB</li> <li>• <b>Ethernet (LAN):</b> 1 x RJ45 10/100/1000mbps</li> <li>• <b>WAN (PoE):</b> 1x RJ-45 10/100/1000mbps</li> <li>• <b>WiFi:</b> 802.11b/g/n 2T2R(2.4Ghz), 802.11ac/a/n 2T2R (5Ghz)</li> <li>• <b>Button:</b> Reset x 1</li> <li>• <b>Power Input:</b> 1 x 12VDC or 1 x 48V (802.3af PoE)</li> <li>• <b>Antenna Connector:</b> Internal Wireless Antenna 4dBi (5Ghz) Internal Wireless Antenna 5dBi (2.4Ghz)</li> </ul> <b>WAN</b> <ul style="list-style-type: none"> <li>• <b>WAN:</b> PPPoE, DHCP, Static IP, (Bridge (AP Mode))</li> </ul> <b>WiFi</b> <ul style="list-style-type: none"> <li>• <b>Standard:</b> IEEE 802.11a/b/g/n/ac, 2x2, 20/40/80 MHz channels</li> <li>• <b>Functions:</b> Multi-SSID 8 (4 per radio), SSID hidden ,SSID isolation, Band Steering, RF power adjustable, Wi-Fi time on/off to save energy</li> <li>• <b>Security:</b> WEP, WPA, WPA2,WPA-PSK, WPA2-PSK</li> <li>• <b>Modulation :</b> OFDM, DSSS</li> <li>• <b>Wi-fi Advanced:</b> Wireless client isolation</li> <li>• <b>Wireless Channel</b></li> <li>• 2.4G:1~13 (CE Channel) (region dependent)</li> <li>• 5.8G: (region dependent) 36~48, 36~64,100~140,149~165</li> <li>• <b>Wireless TX Power</b> 2.4G: &lt;20dbm, 5.8G: &lt;23dbm</li> </ul> <b>Security</b> <ul style="list-style-type: none"> <li>• <b>Filter Rule:</b> URL Filter/Mac Filter/IP Filter</li> <li>• <b>URL/MAC/IP filtering:</b> White list/Black List.</li> </ul> <b>DMZ</b> <ul style="list-style-type: none"> <li>• DMZ</li> </ul> <b>Port Forwarding Rule/Range</b> <ul style="list-style-type: none"> <li>• TCP/UDP</li> </ul> <b>VLAN</b> <ul style="list-style-type: none"> <li>• VLAN support SSID Max 4 per Band</li> </ul> <b>Cloud</b> <ul style="list-style-type: none"> <li>• AirCloud access support in Gateway/AP Mode</li> </ul> <b>FIT/FAT Operation Mode</b> <ul style="list-style-type: none"> <li>• FIT Mode: AP works with AC Controller (Enterprise use)</li> <li>• FAT Mode: AP works standalone (Home use)</li> </ul>	<b>Management</b> <ul style="list-style-type: none"> <li>• Web-UI, Remote Management, WLAN Controller, Cloud Management System AirCloud</li> </ul> <b>DDNS</b> <ul style="list-style-type: none"> <li>• Oray</li> </ul> <b>Max Concurrent users</b> <ul style="list-style-type: none"> <li>• 80</li> </ul> <b>Parental Control (Gateway Mode)</b> <ul style="list-style-type: none"> <li>• Mac Address Filtering, URL Filtering, IP Filtering</li> </ul> <b>AP/AP Gateway Mode</b> <ul style="list-style-type: none"> <li>• <b>AP:</b> In this mode, the AP Wireless and Cable Interface are bridging together. Without NAT, Firewall and all network related functions.</li> <li>• <b>AP Gateway:</b> In this mode, the WAN page is enabled and PPPoE, DHCP or Static IP can be selected. NAT is enabled and PC's in LAN ports share the IP to ISP through WAN port.</li> </ul> <b>VPN Pass Through (Gateway Mode)</b> <ul style="list-style-type: none"> <li>• IPsec, PPTP, L2TP</li> </ul> <b>Data Statistics</b> <ul style="list-style-type: none"> <li>• WAN Down Stream, WAN UP Stream</li> <li>• WiFi Analyzer (2.4 and 5Ghz)</li> </ul> <b>Multiple Language</b> <ul style="list-style-type: none"> <li>• English/Spanish</li> </ul> <b>ESD Protection</b> <ul style="list-style-type: none"> <li>• ±6KV</li> </ul> <b>Environment</b> <ul style="list-style-type: none"> <li>• Operating temperature : -20°C ~ +45°C</li> <li>• Storage Temperature : -40°C ~ +70°C</li> <li>• Storage Humidity : 5% ~ 95% (non-condensing)</li> <li>• Enclosure : ABS fireproof material</li> </ul> <b>Standard package of switch</b> <ul style="list-style-type: none"> <li>• <b>Product/Package size:</b> 16.8 x 16.8 x 3.2 cm/24.5 x 23.5 x 7.5 cm</li> <li>• <b>Product Weight/Package Weight</b> W: 0.65KGs; W: TBDKGs</li> <li>• <b>Package content:</b> TBD 1 x Access Point,</li> <li>• <b>Carton Size:</b> 50.6 x 41 x 49.1cm, 20pcs/1ctn</li> <li>• <b>Carton Weight:</b> G.W=15KGs</li> </ul> <b>Ordering information</b> <ul style="list-style-type: none"> <li>• <b>AirLive AirCloud TOP-12AC</b> 11ac 1200Mbps Gigabit PoE Access Point supports FIT/FAT Mode, AP and Gateway Mode Central and AirCloud management supported</li> </ul>

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