

## Dual Radio 802.11ac Wireless Access Point

## DATASHEET



Wifi-soft 510AC AP

The Wifi-soft Dual Radio 802.11ac Wireless Access Point (AP) delivers high performance for wireless hotspot network deployments and supports dual concurrent operation at 2.4GHz and 5GHz band with combined throughput of 1.2Gbps (300Mbps at 2.4GHz and 900Mbps at 5GHz). 510AC is a ceiling-mount wireless Access Point based on IEEE 802.11a/g/n/ac protocol and MIMO technology. The AP supports PoE power supply thus can be installed easily where power is not readily available.

### Features

#### High performance and superior coverage

- Gives up to 4x the speed of 802.11n networks
- Maximize coverage for optimal deployment
- Auto-channel selection, band-steering, meshing
- Built-in AAA module for Wi-Fi hotspot networks

#### Comprehensive security

- Supports wireless security features (WPA, WPA2)
- MAC based Access Control List to protect against intruders Interoperate with both new and legacy clients

#### Interoperate with both new and legacy clients

- Support latest 802.11ac wireless clients to achieve maximum speed
- Backward compatible to allow legacy devices to connect at their fastest speed

#### Easy to Configure

- Supports both cloud mode as well as stand-alone mode
- Simple setup in minutes with intuitive Graphical User Interface (GUI)

### Ideal Deployment



City WiFi



School / Colleges



Malls / SuperMarkets



Airport/Station

## Technical Specifications

AP characteristics	
<b>AP Throughput and Max users</b>	1200 Mbps ; 100+ users (AP Mode)
<b>Radios (built-in)</b>	2.4GHz:802.11b/g/n; 5GHz: 802.11a/n/ac
<b>Radio operation modes</b>	Wi-Fi Access Point, Gateway, Local Meshing
<b>AP operation modes</b>	Cloud managed, Autonomous
<b>Wi-Fi Alliance Certification</b>	a/b/g/n/ac Wi-Fi certified
<b>Antenna</b>	Internal MIMO antenna, Two 5dBi 2.4GHz and Two 5dBi 5GHz
<b>Ethernet Interface</b>	1 * 10/100 /1000Mbps RJ45 WAN Port; 1 * 10/100 Mbps RJ45 LAN Port
<b>Reset Button</b>	1 * Reset button, press 15 seconds to revert to factory setting
<b>Power and POE specification</b>	DC IN: 12V/1.5A, PoE IN: 48V/0.5A; IEEE 802.3af/802.3at PoE compliant for Gigabit Ethernet
<b>Size</b>	33cm X 14cm
<b>Weight</b>	870 gm
Frequency band and Operating channels	
<b>Americas</b>	2.412 - 2.462 GHz (1 - 11 channels); 5.180 - 5.320 GHz (36 - 64 channels); 5.500 - 5.700 GHz (100 - 144 (excluding 5600-5670 MHz) channels); 5.745 - 5.825 GHz (149 - 165 channels)
<b>European Union</b>	2.412 - 2.472 GHz (1 - 13 channels); 5.180 - 5.320 GHz (36 - 64 channels); 5.500 - 5.700 GHz (100 - 140 (excluding 5600-5650 MHz) channels)
<b>Taiwan</b>	2.412 - 2.462 GHz (1 - 11 channels); 5.280 - 5.320 GHz (56 - 64 channels); 5.500 - 5.700 GHz (100 - 144 (excluding 5600-5670 MHz) channels); 5.745 - 5.825 GHz (149 - 165 channels)
<b>Japan</b>	2.412 - 2.472 GHz (1 - 13 channels); 5.180 - 5.320 GHz (36 - 64 channels) 5.500 - 5.700 GHz (100 - 140 channels)
<b>Israel</b>	2.412 - 2.472 GHz (1 - 13 channels); 5.180 - 5.320 GHz (36 - 64 channels)
<b>Rest of the world</b>	2.412 - 2.472 GHz (1 - 13 channels); 5.180 - 5.320 GHz (36 - 64 channels); 5.500 - 5.700 GHz (100 - 144 channels); 5.745 - 5.825 GHz (149 - 165 channels)
Environment	
<b>Operating temperature</b>	32°F to 122°F (0°C to 50°C)
<b>Operating relative humidity</b>	5% to 95%, noncondensing
<b>Non-operating/Storage temperature</b>	-40°F to 158°F (-40°C to 70°C)
<b>Non-operating/Storage relative humidity</b>	5% to 95%, noncondensing

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