



AS220V2

2x2 Dual Band

802.11ac Wave 2 Indoor Access Point



AS220V2 802.11ac Wave 2 2x2 dual band indoor access point is with Multiple-Input Multiple-Output (MIMO) technology, offering a data rate up to 1.1Gbps. AS220V2 accommodates up to 512 wireless devices connections simultaneously.

Designed in compact appearance and provides flexible installations, which blends into any interior areas. The AS220V2 is equipped with a PoE out capability that enables cost-effective deployment to smart surveillance applications.

The AS220V2 is the ideal choice for small and medium-sized businesses (SMBs), deployments, such as offices, hotels, hospitals, and shopping malls.



30dBm High Power

Maximum transmits power can be up to 30dBm, bringing superior Wi-Fi signal coverage.



MU-MIMO Technology

Supports two spatial streams, to maximize throughput for high-density applications.



PoE Out

Powers a device such as an IP camera or a VoIP product for fast deployment.



Multiple Operating Mode

Allows to perform specific functions, ideal for various scenarios.



Flexible Installation

Enables devices to seamlessly blend into the indoor decoration.



Standards	IEEE 802.11a/b/g/n/ac	
Radio Chains	2.4GHz: 2x2:2	5GHz: 2x2:2
Supported Data Rates	802.11b: 11 Mbps / 802.11a/g: 54 Mbps 802.11n: 300Mbps / 802.11ac: 867Mbps	
Bandwidth	20 / 40 / 80 MHz	
Frequency Bands and Operating Channels	Taiwan	US
	2.412 – 2.462 GHz; 11 channels 5.180 – 5.320 GHz; 8 channels 5.500 – 5.720 GHz ; 12 channels 5.745 – 5.825 GHz; 5 channels	2.412 – 2.462 GHz; 11 channels 5.180 – 5.320 GHz; 8 channels 5.500 – 5.720 GHz ; 12 channels 5.745 – 5.825 GHz; 5 channels
	EU	China
	2.412 – 2.472 GHz; 13 channels 5.180 – 5.320 GHz; 8 channels 5.500 – 5.700 GHz ; 11 channels	2.412 – 2.472 GHz; 13 channels 5.180 – 5.320 GHz; 8 channels 5.745 – 5.825 GHz; 5 channels
	Japan	India
	2.412 – 2.472 GHz; 13 channels 5.180 – 5.320 GHz; 8 channels 5.500 – 5.720 GHz; 12 channels	2.412 – 2.472 GHz; 13 channels 5.180 – 5.320 GHz; 8 channels 5.500 – 5.720 GHz ; 12 channels 5.745 – 5.865 GHz; 7 channels
	*Operating Channel depends on configured regulatory domain.	
Max. Transmit Power	2.4GHz	5GHz
	33dBm w/ 2 ant.	30.3dBm w/ 2 ant.
	*The maximum power setting will vary by channel and according to individual country regulations.	
Receive Sensitivity	-99dBm (Min.)	
	2.4GHz	5GHz
	HT20: -90dBm/HT40: -86dBm	VHT20: -93dBm/ VHT40: -90dBm/ VHT80: -86dBm
Antenna Peak Gain	2.4GHz	5GHz
	3dBi (Embedded)	3.3dBi (Embedded)
Interfaces	2 × 10/100/1000 BASE-T: 1 WAN for 802.3at PoE, 1 LAN for PoE Out (Max 10Watt, 45+/78-) 1 × Reset button 1 × Power Jack	
Indicator	Power / System / WLAN / WAN	
Supported Wireless LAN Controllers	WS5G2 / WS7G2 /WS10G2 / WS200G2 / WS500G2 / WS1000G2	
Power	Power Consumption	Power Input
	< 12W	DC 48V, 0.5A 802.3at PoE, or DC Jack (optional accessory)

Physical Characteristics	Dimensions	Weight	Mounting Type
	96 (L) × 29.9 (W) × 192 (H) mm	500g	In-wall / Wall-mount / Ceiling
Environmental	Storage	Operating	
	Temperature: -20 – 70 °C Humidity: 10 – 90%	Temperature: -10 – 50 °C Humidity: 10 – 90% (non-condensing)	
Bluetooth	Version	Frequency	Antenna
	4.1	2400 – 2480MHz	1.5dBi (Embedded)
Compliance Standards	<p>IEC/EN 60950 EN55032 & EN55024 WEEE & RoHS</p> <p>Radio approvals: EN 300 328, EN301 893 (Europe) EN 301 489-1 and -17 (Europe) SRRC (China)</p> <p>IEEE standards: IEEE 802.11a/b/g/n/ac IEEE 802.11d, e, h, i, j, k, r, u, v time stamp, w, and z standards</p> <p>Multimedia: Wi-Fi multimedia (WMM)</p> <p>Security: Open System 802.1x WPA-PSK/WPA2-PSK WPA-Enterprise/WPA2-Enterprise</p> <p>Extensible Authentication Protocol (EAP) types: EAP-Transport Layer Security (TLS) EAP-Tunneled TLS (TTLS) Protected EAP (PEAP) EAP-Subscriber Identity Module (SIM)</p> <p>*Above partial functions should be configured by Z-COM Wireless LAN Controllers (WLC)</p>		

Package Contents

AS220V2	802.11ac Wave 2 2 x 2 Dual Band Indoor Access Points. Mounting bracket included. Does not include power adapter.
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Optional Accessories

AS-CLM4	Ceiling mount + two screws 	AS-LK18	Anti-tamper Lock 
AS-48052-XX	48V 0.52A power adapter 	SP-48063-XX	48V PoE Injector + power cord 

*Notice: When ordering power adaptors, you must specify the destination region by indicating -US, -EU instead of -XX.