



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 added benefit of the Wi-Fi SON (Self-Organizing Network) and Bluetooth location services greatly improves management efficiency.

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.



Flexible Installation

Enables devices to seamlessly blend into the indoor decoration.



Wi-Fi SON

Accelerates the connection speed between devices, providing users with quick installation and easy deployment capabilities



Location Service

Integrated Bluetooth Low Energy (BLE) 4.1 radio to enable location tracking and wayfinding.



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		2.4GHz Radio	5GHz Radio
	US	2.412 – 2.462GHz	5.15GHz – 5.35GHz 5.47GHz – 5.85GHz
	EU	2.412 – 2.472GHz	5.15GHz – 5.35GHz 5.47GHz – 5.725GHz
	Japan	2.412 – 2.472GHz	5.15GHz – 5.35GHz 5.47GHz – 5.725GHz
	China	2.412 – 2.472GHz	5.15GHz – 5.35GHz 5.725GHz – 5.85GHz
	India	2.412 – 2.472GHz	5.15GHz – 5.35GHz 5.725GHz – 5.85GHz 5.85GHz – 5.875GHz
Operating Channels		2.4GHz	5GHz
	US	1 – 11	36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 132, 136, 140, 149, 153, 157, 161, 165
	EU	1 – 13	36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 132, 136, 140
	Japan	1 – 13	36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 132, 136, 140
	China	1 – 13	36, 40, 44, 48, 52, 56, 60, 64, 149, 153, 157, 161, 165
	India	1 – 13	36, 40, 44, 48, 52, 56, 60, 64, 149, 153, 157, 161, 165, 169, 173
Max. Transmit Power	2.4GHz	5GHz	
	30dBm	27dBm	
	*The maximum power setting will vary by channel and according to individual country regulations.		
Receive Sensitivity	11b: -91dBm / 11a/g: -90dBm / 11n: -92dBm / 11ac: -92dBm		
Antenna Peak Gain	2.4GHz	5GHz	
	2dBi (Embedded)	2.5dBi (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 PoE, or DC Jack (optional accessory)	

IP Rating	IP43		
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 – 60 °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>		

Optional Accessories			
			
PN	AS-CLM4	AS-LK18	AS-48052
Item	Ceiling mount + two screws	Anti-tamper Lock	48 V 0.52A power adapter