



AS420

4x4 Dual Band

802.11ac Wave 2 Indoor Access Point



The AS420 802.11ac Wave 2 4x4 dual band indoor access point delivers exceptional performance, which is high integrated with security. It supports a wireless transmission rate up to 2.3Gbps and can accommodate up to 512 wireless devices connections simultaneously.

The AS420 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 service greatly improves promotion, cost, and management efficiency.

Compared to similar products in the market, the AS420 has the high performance and is the ideal choice for high-density Wi-Fi deployment, such as shopping malls, conference halls, hospitals, and schools.



MU-MIMO Technology

Supports four 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: 4x4:4	5GHz: 4x4:4	
Supported Data Rates	802.11b: 11 Mbps / 802.11a/g: 54 Mbps 802.11n: 600Mbps / 802.11ac: 1733Mbps		
Bandwidth	2.4GHz: 20 / 40 / 80 MHz 5GHz: 20 / 40 / 80 / 80+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	
	26dBm	26dBm	
	*The maximum power setting will vary by channel and according to individual country regulations.		
Receive Sensitivity	11b: -92dBm / 11a/g: -94dBm / 11n: -94dBm / 11ac: -90dBm		
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	
	< 15W	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