AS420

4x4 Dual Band
802.11ac Wave 2 Indoor Access Point

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.

The AS420 802.11ac Wave 2 4 x 4 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.

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.

Multiple Operating Mode
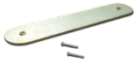Allows to perform specific functions, ideal for various scenarios.

Flexible Installation
Enables devices to seamlessly blend into the indoor decoration.

Standards	IEEE 802.11a/b/g/n/ac	
Radio Chains	2.4GHz: 4x4:4	5GHz: 4x4:4
Supported Data Rates	802.11b: 11 Mbps / 802.11a/g: 54 Mbps 802.11n: 600Mbps / 802.11ac: 1733Mbps	
Bandwidth	20 / 40 / 80 / 80+80 MHz	
Frequency Bands and Operating Channels	**Taiwan**	**US**
	2.412 – 2.472GHz 5.15GHz – 5.35GHz 5.47GHz – 5.85GHz	2.412 – 2.472GHz 5.15GHz – 5.35GHz 5.47GHz – 5.85GHz
	EU	**China**
	2.412 – 2.472GHz 5.15GHz – 5.35GHz 5.47GHz – 5.725GHz	2.412 – 2.472GHz 5.15GHz – 5.35GHz 5.47GHz – 5.725GHz
	Japan	**India**
	2.412 – 2.472GHz 5.15GHz – 5.35GHz 5.47GHz – 5.725GHz	2.412 – 2.472GHz 5.15GHz – 5.35GHz 5.725GHz – 5.85GHz 5.85GHz – 5.875GHz
	*Operating Channel depends on configured regulatory domain.	
Max. Transmit Power	**2.4GHz**	**5GHz**
	29dBm w/ 4 ant.	29.3dBm w/ 4 ant.
	*The maximum power setting will vary by channel and according to individual country regulations.	
Receive Sensitivity	-100dBm (Min.)	
	2.4GHz	**5GHz**
	HT20: -94dBm/HT40: -91dBm	VHT20: -92dBm/ VHT40: -88dBm/ VHT80: -85dBm
Antenna Peak Gain	**2.4GHz**	**5GHz**
	3dBi (Embedded)	3.3dBi (Embedded)
Interfaces	2 x 10/100/1000 BASE-T: 1 WAN for 802.3at PoE, 1 LAN for PoE Out (Max 10Watt, 45+/78-) 1 x Reset button 1 x 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)

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 ℃ Humidity: 10 – 90%	Temperature: -10 – 50 ℃ Humidity: 10 – 90% (non-condensing)	

Bluetooth	Version	Frequency	Antenna
	4.1	2400 – 2480MHz	1.5dBi (Embedded)

Compliance Standards	IEC/EN 60950 EN55032 & EN55024 WEEE & RoHS **Radio approvals:** EN 300 328, EN301 893 (Europe) EN 301 489-1 and -17 (Europe) SRRC (China) **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 **Multimedia:** Wi-Fi multimedia (WMM) **Security:** Open System 802.1x WPA-PSK/WPA2-PSK WPA-Enterprise/WPA2-Enterprise **Extensible Authentication Protocol (EAP) types:** EAP-Transport Layer Security (TLS) EAP-Tunneled TLS (TTLS) Protected EAP (PEAP) EAP-Subscriber Identity Module (SIM) *Above partial functions should be configured by Z-COM Wireless LAN Controllers (WLC)

Package Contents	
AS420V2	802.11ac Wave 2 4 x 4 Dual Band Indoor Access Points. Mounting bracket included. Does not include power adapter.

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.