



SP230

2x2 Dual Band
802.11ac Wave 2 Outdoor Access Point



The SP230 802.11ac Wave 2 2x2 dual band outdoor access point provides a data rate of up to 1.1Gbps. Built in high transmit power for superior Wi-Fi coverage.

Designed for extreme temperatures and environments and include IP67 waterproof and dust resistance that can withstand harsh environments. The SP230 is equipped with a PoE out capability that enables cost-effective deployment to smart surveillance applications.

The SP230 is ideal for Wi-Fi deployment such as rural areas, parks, and campuses, meets the demanding needs of customers across a broad range of industries spanning enterprises and service providers.



30dBm High Power

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



PoE Out

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



Flexible installation

Provides various working mode which can be applied flexibly in different scenarios.



Robust Product Design

Encased with IP67-rated and scale-level 14 windproof robust design that can withstand harsh environments.



Standards	IEEE 802.11a/b/g/n/ac	
Radio Chains	2.4GHz: 2x2:2 5GHz: 2x2:2	
Antenna Peak Gain	2.4GHz: 5dBi (Embedded) 5GHz: 5dBi (Embedded)	
Antenna Type	2.4/5GHz: Omni antenna	
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 5.745 – 5.825 GHz; 5 channels
	Japan	India
	2.412 – 2.472 GHz; 13 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: 35dBm w/ 2 ant. 5GHz: 32dBm w/ 2 ant.	
	*The maximum power setting will vary by channel and according to individual country regulations.	
Receive Sensitivity	11b: -94dBm / 11a/g: -93dBm / 11n: -95dBm / 11ac: -95dBm	
Interfaces	2 × 10/100/1000 BASE-T 1 WAN port support 802.3at PoE 1 LAN port support PoE Out (Max 10Watt, 45+/78-) 1 × Ground terminal	
Indicator	Power / System / WLAN / WAN	
Supported Wireless LAN Controllers	WS5G2 / WS7G2 /WS10G2	
Power	Power Consumption	Power Input
	< 12W	DC 48V, 0.5A 802.3at PoE
IP Rating	IP67	

Physical Characteristics	Dimensions	Weight	Mounting Type
	151 (L) × 75.5 (W) × 235 (H) mm	1 Kg	Pole mount
Environmental	Storage	Operating	
	Temperature: -40 – 80 °C Humidity: 10 – 90%	Temperature: -40 – 70 °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) FCC NCC 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

SP230	802.11ac Wave 2 2 x 2 Dual Band Outdoor Access Points. Mounting bracket included. Does not include power adapter.
-------	---

Optional Accessories

SP-CBM5	Anti-theft steel rope + allen wrench + four screws 	SP-MKM5	Two-dimensional mounting kit 
SP-WP-CM20	Waterproof cable gland 	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.