SP230

2x2 Dual Band PtP/PtMP
802.11ac Wave 2 Outdoor Access Point

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

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

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.

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** 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		**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
	EU 2.412 – 2.472 GHz; 13 channels 5.180 – 5.320 GHz; 8 channels 5.500 – 5.700 GHz ; 11 channels		**China** 2.412 – 2.472 GHz; 13 channels 5.745 – 5.825 GHz; 5 channels
	Japan 2.412 – 2.472 GHz; 13 channels 5.500 – 5.720 GHz; 12 channels		**India** 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 ℃ Humidity: 10 – 90%		Temperature: -40 – 70 ℃ 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) FCC NCC 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

SP230	802.11ac Wave 2 2 x 2 Dual Band PtP/PtMP 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.