



SP230-S5

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



The SP230-S5 802.11ac Wave 2 2x2 dual band outdoor access point provides a data rate of up to 1167Mbps. 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-S5 is equipped with a PoE out capability that enables cost-effective deployment to smart surveillance applications.

Featured high antenna gain which supports over 6Km data transmission.

The SP230-S5 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.



38dBm High Power

Maximum transmit power can be up to 38dBm, 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.



PtP Data Transmission

Long distance data transmission up to 6Km, suitable for rural areas.



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: 11dBi (Embedded)	
Antenna Type	2.4GHz: Omni antenna 5GHz: Directional 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.	
Receive Sensitivity	-99dBm (Min.)	
	2.4GHz	5GHz
	HT20: -90dBm/HT40: -86dBm	VHT20: -93dBm/ VHT40: -90dBm/ VHT80: -86dBm
Max. Transmit Power	2.4GHz: 35dBm w/ 2 ant. 5GHz: 38dBm w/ 2 ant.	
	*The maximum power setting will vary by channel and according to individual country regulations.	
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	
IP Rating	IP67	
Power	Power Consumption	Power Input
	< 12W	DC 48V, 0.5A 802.3at PoE

Physical Characteristics	Dimensions	Weight	Mounting type
	151 (L) × 75.5 (W) × 235 (H) mm	1kg	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-S5	802.11ac Wave 2 2 x 2 Dual Band PtP/PtMP/Bridge/Coverage Outdoor Access Points. Mounting bracket included. Does not include power adapter.
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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.