![ZCOM logo]

ZAC-1023-2-9

802.11n (2X2) PtMP/Bridge OUTDOOR AP

ZAC-1023-2-9 is a product compliant with the IEEE 802.11n standard to support higher bandwidth for wireless internet service.

ZAC-1023-2-9 supports 2.4GHz access point/CPE features with outstanding throughput performance and a cost-effective design that allows for reliable equipment at affordable prices.

It features an embedded 9 dBi internal antenna with extensive wireless coverage, supports a data rate of up to 300 Mbps, and allows for a connection distance of up to 2km.

Long-distance transmission

With a high-powered data rate, ZAC-1023-2-9 provides remarkable transmission distance of up to 2km.

Advanced Security

Supports WPA-PSK/WPA2-PSK with IEEE 802.1x authentication

Easy installation and Flexible deployment

Quick installation in minutes and easy to move into any area

Remote Monitoring

Transmits the product status to Z-COM wireless LAN controller, which mitigates the IT staff's management effort.

Standards	IEEE 802.11b/g/n	
Radio Chains	2.4GHz: 2x2:2	
Supported Data Rates	802.11b: 11 Mbps / 802.11a/g: 54 Mbps / 802.11n: 300Mbps	
Bandwidth	20 / 40 MHz	
Frequency Bands and Operating Channels	**Taiwan**	**US**
	2.412 – 2.462 GHz; 11 channels	2.412 – 2.462 GHz; 11 channels
	EU	**China**
	2.412 – 2.472 GHz; 13 channels	2.412 – 2.472 GHz; 13 channels
	Japan	**India**
	2.412 – 2.472 GHz; 13 channels	2.412 – 2.472 GHz; 13 channels
	*Operating Channel depends on configured regulatory domain.	
Max. Transmit Power	**2.4GHz**	
	39dBm w/ 2 ant.	
	*The maximum power setting will vary by channel and according to individual country regulations.	
Receive Sensitivity	-91dBm (Min.)	
	2.4GHz	
	11b: -91dBm / 11a/g: -89dBm / 11n: -83dBm	
Antenna Peak Gain	2.4GHz: 9dBi (Embedded)	
Interfaces	1 x RJ45 support 10/100Mbps 1 x Reset button 1 x Ground terminal	
Indicator	Power / WLAN / LAN / Signal	
Supported Wireless LAN Controllers	WS5G2 / WS7G2 /WS10G2 / WS200G2 / WS500G2 / WS1000G2	
Power	**Power Consumption**	**Power Input**
	12W	802.3af (PoE)
IP Rating	IP55	

Physical Characteristics	Dimensions		Weight	Mounting type
	205 (L) × 64 (W) × 61 (H) mm		500g	Pole mount

Environmental	Storage	Operating
	Temperature: -40 - 70 ℃ Humidity: 10 - 95%	Temperature: -20 - 70 ℃ Humidity: 10 - 95% (non-condensing)

Compliance Standards	IEC/EN 60950-1 EN55032 & EN55024 EN62311 WEEE & RoHS FCC Part 15 sub B/C/E Class A NCC **Radio approvals:** EN 300 328, EN301 893 (Europe) EN 301 489-1 and -17 (Europe) **IEEE standards:** IEEE 802.11n 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	
ZAC-1023-2-9	802.11n 2 x 2 PtP/PtMP Outdoor Access Points. Mounting bracket and power adapter included.

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