



# ZAC-1023-5-13

802.11an (2X2) PtMP/Bridge OUTDOOR AP



ZAC-1023-5-13 is a product compliant with the IEEE 802.11an standard to support higher bandwidth for wireless internet service.

ZAC-1023-5-13 supports 5GHz 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 13 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 2 km.

### **Long-distance transmission**

With a high-powered data rate, ZAC-1023-5-13 provides remarkable transmission distance of up to 2 km.

### **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 ZCOM wireless LAN controller, which mitigates the IT staff's management effort.

Standards	IEEE 802.11an	
Radio Chains	5GHz: 2x2:2	
Supported Data Rates	802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11an: 300Mbps	
Bandwidth	20 / 40 MHz	
Frequency Bands and Operating Channels	<b>Taiwan</b>	<b>US</b>
	5.180 – 5.320 GHz; 8 channels 5.500 – 5.720 GHz ; 12 channels 5.745 – 5.825 GHz; 5 channels	5.180 – 5.320 GHz; 8 channels 5.500 – 5.720 GHz ; 12 channels 5.745 – 5.825 GHz; 5 channels
	<b>EU</b>	<b>China</b>
	5.180 – 5.320 GHz; 8 channels 5.500 – 5.700 GHz ; 11 channels	5.745 – 5.825 GHz; 5 channels
	<b>Japan</b>	<b>India</b>
	5.500 – 5.720 GHz; 12 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	<b>5GHz</b>	
	39dBm w/ 2 ant.	
	*The maximum power setting will vary by channel and according to individual country regulations.	
Receive Sensitivity	-99dBm (Min.)	
	<b>5GHz</b>	
	11a : -89dBm / 11n: -83dBm	
Antenna Peak Gain	5GHz: 13dBi (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	<b>Power Consumption</b>	<b>Power Input</b>
	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 °C Humidity: 10 - 95%	Temperature: -20 - 70 °C 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 <b>Radio approvals:</b> EN 300 328, EN301 893 (Europe) EN 301 489-1 and -17 (Europe) <b>IEEE standards:</b> IEEE 802.11n IEEE 802.11d, e, h, i, j, k, r, u, v time stamp, w, and z standards <b>Multimedia:</b> Wi-Fi multimedia (WMM) <b>Security:</b> Open System 802.1x WPA-PSK/WPA2-PSK WPA-Enterprise/WPA2-Enterprise <b>Extensible Authentication Protocol (EAP) types:</b> 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-1023-5-13	802.11n 2 x 2 PtP/PtMP Outdoor Access Points. Mounting bracket and power adapter included.