

# ZAC-1023-5-13

P/N: ZN-7200-2EI

IEEE 802.11a/n Wireless CPE



Zcomax's outdoor Wi-Fi CPE is designed for carrier-grade applications, is compliant with IEEE 802.11 a/n standards, and provides high transmission rates and receiver sensitivity characteristics. Used in conjunction with Wi-Fi base station equipment, our CPE can provide comprehensive WLAN coverage in even the most difficult environments.

#### **Benefits**

#### Outstanding mid-range performance at a competitive price

With 802.11n 2x2 multiple-input multiple-output (MIMO) technology, the ZAC-1023-5-13 sustains data rates up to 300Mbps over a range greater than the competition, providing both capacity and reliability at an unprecedented price.

# Twice the bandwidth, ideal for video streaming

The ZAC-1023-5-13 allows operation at 2.4GHz frequencies, providing high performance and reliability for demanding applications such as video streaming and gaming.

# Smart RF management optimizes throughput and mitigates interference

The automatic channel selection and transmit output power adjustment optimizes Wi-Fi client performance and ensures that APs stay clear of RF interference.

## Flexible operating modes

The ZAC-1023-5-13 offers a variety of operating modes designed to meet your network management and deployment requirements. It can be flexibly deployed as a standalone wireless Access Point or as a managed Access Point controlled in VAC mode. When managed by the VAC (Virtual AP controller), each ZAC-1023-5-13 TAP is configured automatically, making deployment quick and easy.

# **ZAC-1023-5-13 IEEE 802.11a/n Wireless CPE**

#### **Increased efficiency and capacity**

Spectrum Navigation hosts clients in the 5GHz frequency where there is less interference and more channels available, while load balancing directs clients to less congested APs.

#### **Guaranteed multicast streaming**

The only proven QoS system for IPTV, IGMP converts multicast traffic to unicast, delivering video traffic to each subscriber at the highest data rate supported.

#### Simple, hassle-free deployment

Support for passive PoE (Power over Ethernet) reduces deployment costs with simple installation and easy optimal placement.

#### Sleek design, flexible installation

The aesthetically-pleasing design and flexible mounting kit is ideal for indoor environments like offices, hotels, classrooms, etc. Internal antennas are optimized for superior RF performance.

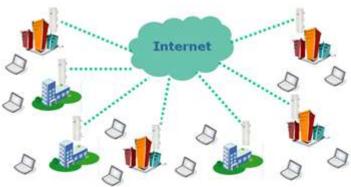
### **Key Features**

- Multiple operating modes: VAC (Virtual AC), managed AP mode (TAP) and standalone mode (FAP)
- Auto channel selection
- Auto Transmit Power Adjustment
- Data encryption: WEP, WPA-PSK, WPA2-PSK
- Authentication: 802.1x, WPA-Enterprise,
   WPA2-Enterprise
- Spectrum Navigation and Load Balancing
- Advanced QoS packet classification and automatic priority for latency-sensitive traffic
- IP multicast video streaming support
- Up to 8 BSSIDs
- 24V Passive PoE(Power over Ethernet)
- One 10/100/100BASE-T Etherent port
- Internal 13dBi directional antenna
- Pole Mount

#### **DEPLOYMENT FOR ENTERPRISE**



#### **DEPLOYMENT FOR HOTSPOT**



#### **SPECIFICATIONS**

WIRELESS	
STANDARDS	• IEEE 802.11a/n • 5GHz
RADIO CHAINS	2x2 MIMO with two spatial streams
SUPPORTED DATA RATES	<ul> <li>802.11a: 6, 9, 12, 18, 24, 36, 48, 54</li> <li>802.11n: MCS0 to MCS15 (6.5 Mbps to 300 Mbps)</li> </ul>
FREQUENCY BANDS	• 802.11 a/n: 5.12 – 5.85 GHz
REGULATION	FCC : 5725-5850 MHz CE: 5470-5725 MHz(DFS band)
RF OUTPUT POWER	802.11a - 23dBm@6Mbps     802.11an@HT20 - 27dBm     802.11an@HT40 - 24dBm     Note: : The maximum power setting will vary by channel and according to individual country regulations.
RECEIVER SENSITIVITY	• IEEE 802.11a/n: 11a: -94dBm @6Mbps 11n: -94dBm @ HT20 -91dBm @ HT40
SECURITY	<ul> <li>Open System</li> <li>Shared Key (64/128/152-bits WEP)</li> <li>Legacy 802.1X</li> <li>WPA</li> <li>WPA2</li> <li>WPA-PSK(TKIP)</li> <li>WPA2-PSK(AES)</li> </ul>

MANAGEMENT	
OPERATING MODES	<ul><li>VAC</li><li>Thin AP</li><li>FAP(AP, Wireless Client, Bridge, AP Repeater)</li></ul>
ACCESS METHOD	<ul><li>Web User Interface (HTTP/S)</li><li>Telnet, SSH, FTP</li><li>SNMP V1, V2c, V3</li></ul>
RESTORE FACTORY DEFAULT	<ul><li>Web</li><li>Push Button</li></ul>
CONFIGURATION FILE	<ul> <li>Backup and Restore</li> <li>Configuration</li> <li>Reset Settings to Factory</li> <li>Default</li> <li>Reboot Device</li> </ul>

PHYSICAL	
INTERFACES	<ul><li>One 10/100BASE-T</li><li>One DC power connector</li></ul>
POWER	• DC Input: 24V@1A
LED INDICATORS	<ul><li>Power</li><li>WLAN</li><li>LAN</li><li>Signal</li></ul>
MOUNTING	Pole mount by steel cable tie

ENVIRONMENTAL	
OPERATING	<ul> <li>Temperature: -20 ~ 70 °C</li> <li>Humidity: 10 ~ 95% non-condensing</li> </ul>
STORAGE	• Temperature: -40 ~70 °C • Humidity: 10 ~ 95%

MECHANICAL	
DIMENSION	• 205(L) mm $\times$ 64(D) mm $\times$ 61(H) mm
WEIGHT	• <500g

• WPA-PSK + WPA2-PSK

#### ANTENNA

INTERNAL
• 5GHz - Internal 13 dBi
directional antenna

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