



ZAC-1023-5-13

P/N: ZN-7200-2EI

IEEE 802.11a/n Wireless CPE

Enterprise-Class Wi-Fi Access Point Delivers High Performance And High-Density for Business and Hotspot Environments

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.

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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 Ethernet port
- Internal 13dBi directional antenna
- Pole Mount

DEPLOYMENT FOR ENTERPRISE



DEPLOYMENT FOR HOTSPOT



SPECIFICATIONS

WIRELESS	
STANDARDS	<ul style="list-style-type: none"> • IEEE 802.11a/n • 5GHz
RADIO CHAINS	<ul style="list-style-type: none"> • 2x2 MIMO with two spatial streams
SUPPORTED DATA RATES	<ul style="list-style-type: none"> • 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 • 802.11n: MCS0 to MCS15 (6.5 Mbps to 300 Mbps)
FREQUENCY BANDS	<ul style="list-style-type: none"> • 802.11 a/n: 5.12 – 5.85 GHz
REGULATION	FCC : 5725-5850 MHz CE: 5470-5725 MHz(DFS band)
RF OUTPUT POWER	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • IEEE 802.11a/n: 11a: -94dBm @6Mbps 11n: -94dBm @ HT20 -91dBm @ HT40
SECURITY	<ul style="list-style-type: none"> • Open System • Shared Key (64/128/152-bits WEP) • Legacy 802.1X • WPA • WPA2 • WPA-PSK(TKIP) • WPA2-PSK(AES) • WPA-PSK + WPA2-PSK

MECHANICAL	
DIMENSION	<ul style="list-style-type: none"> • 205(L) mm x 64(D) mm x 61(H) mm
WEIGHT	<ul style="list-style-type: none"> • <500g

MANAGEMENT	
OPERATING MODES	<ul style="list-style-type: none"> • VAC • Thin AP • FAP(AP, Wireless Client, Bridge, AP Repeater)
ACCESS METHOD	<ul style="list-style-type: none"> • Web User Interface (HTTP/S) • Telnet, SSH, FTP • SNMP V1, V2c, V3
RESTORE FACTORY DEFAULT	<ul style="list-style-type: none"> • Web • Push Button
CONFIGURATION FILE	<ul style="list-style-type: none"> • Backup and Restore Configuration • Reset Settings to Factory Default • Reboot Device

PHYSICAL	
INTERFACES	<ul style="list-style-type: none"> • One 10/100BASE-T • One DC power connector
POWER	<ul style="list-style-type: none"> • DC Input: 24V@1A
LED INDICATORS	<ul style="list-style-type: none"> • Power • WLAN • LAN • Signal
MOUNTING	<ul style="list-style-type: none"> • Pole mount by steel cable tie

ENVIRONMENTAL	
OPERATING	<ul style="list-style-type: none"> • Temperature: -20 ~ 70 °C • Humidity: 10 ~ 95% non-condensing
STORAGE	<ul style="list-style-type: none"> • Temperature: -40 ~70 °C • Humidity: 10 ~ 95%

ANTENNA	
INTERNAL ANTENNA	<ul style="list-style-type: none"> • 5GHz - Internal 13 dBi directional antenna

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