AC-1028

802.11ac DUAL-BAND 2.4G (2X2) & 5G (1X1) INDOOR AP

The ZCOM AC-1028 is a in-wall plate Wi-Fi access point which can be installed in any 86mm wall plate without breaking the existing decorations and is easy to be managed.

Performing as a stand-alone access point, the AC-1028 can be centrally managed by remote ZCOM WLC (Wireless LAN Controller). It is well suited to school, hospital, office, and densely divided rooms.

Multiple Management Choices

Operates as a stand-alone access point or be centrally managed from a remote Wireless LAN Controller, which also provides Wi-Fi user authentication, traffic shaping, user control, bandwidth control, and statistics reports.

Designed Appearance

Designed for in-wall socket bottom box (86 type), which blends into any interior design.

Advanced Security

Support WPA-PSK/WPA2-PSK with 802.1x Authentication

WIRELESS

Standards	• IEEE 802.11an/ac • IEEE 802.11b/g/n
Radio Chains	• 2.4GHz: 2x2 • 5GHz: 1x1
Supported Data Rates	• 802.11b: 1, 2, 5.5, 11 Mbps • 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 802.11n: 300Mbps • 802.11ac: 433Mbps
Bandwidth	• 20 / 40 / 80 MHz

Frequency Bands	• IEEE 802.11b/g/n
	US: 2.412GHz – 2.462GHz
	EU/Japan: 2.412 – 2.472 GHz
	China/India: 2.412 – 2.472 GHz
	• IEEE 802.11an/ac
	US:
	    5.15GHz – 5.35GHz
	    5.47GHz – 5.85GHz
	EU/Japan:
	    5.15GHz – 5.35GHz
	    5.47GHz – 5.725GHz
	China:
	    5.15GHz – 5.35GHz
	    5.725GHz – 5.85GHz
	• India:
	    5.15GHz – 5.35GHz
	    5.725GHz – 5.85GHz
	    5.85GHz – 5.875GHz

Operating Channels	•2.4GHz: US: 1 – 11 EU/Japan/China/India: 1 – 13 • 5GHz: US: 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 132, 136, 140, 149, 153, 157, 161, 165 EU/Japan: 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 132, 136, 140 China: 36, 40, 44, 48, 52, 56, 60, 64, 149, 153, 157, 161, 165 India: 36, 40, 44, 48, 52, 56, 60, 64, 49, 153, 157, 161, 165, 169, 173
Max. Transmit Power	• 2.4GHz: 20dBm w/ 2 ant. • 5GHz: 20dBm w/ 1 ant.
Receive Sensitivity	• 11b: -81dBm • 11a/g: -85dBm • 11n: -81dBm • 11ac: -82dBm

HARDWARE

Interfaces	• 3 10/100 LAN • 1 10/100 WAN • 1 DC connector
Power Input	• 802.3af (PoE)
Power Consumption	• < 5W
Indicator	• LAN
Mounting	• In-wall

ANTENNA

Antenna	• 2.4GHz: 2dBi (Embedded) • 5GHz: 5dBi (Embedded)

DIMENSIONS & WEIGHT

Dimensions	• 86 (L) × 86 (D) × 42 (H) mm
Weight	• 500g

ENVIRONMENT

Operating	• Temperature: 0 – 45 ℃ • Humidity: 10 – 95% (non-condensing)
Storage	• Temperature: -30 – 70 ℃ • Humidity: 10 – 95%

MANAGEMENT

Operating Mode(s)	• TAP: Controller-managed mode • FAP: Standalone AP mode
Access Method	• Web User Interface • Telnet • SSH • SNMP

CERTIFICATIONS

• CE
• RoHS