AS240

802.11ax, 2x2 Dual-Band
Indoor Ceiling Mount Access Point

Product
Specification

AS240

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Indoor Ceiling Mount Access Point

Description

Z-COM AS240 is a Wi-Fi 6 indoor ceiling mount access point and ideal for retail, SOHO, clinic and other indoor applications.

It is not only affordable, small and easy to use but also comes with a very powerful Qualcomm Chipset, capable of all the advanced configurations and serves dual-band 5GHz and 2.4GHz radios at the same time.

Feature

- Dual-band Wi-Fi 6 (802.11ax), compatible with Wi-Fi 5 (802. 11ac)
- Supports up to 1,200 Mbps in 5GHz and 574 Mbps in 2.4GHz
- Max. EIRP up to 20dBm in 5GHz and 20dBm in 2.4GHz
- With 2 x RJ45 1G Ethernet Ports
- Target wake time for power-saving of clients & IoT devices
- Uplink and downlink of MU-MIMO improves transmission to APs and client devices

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Overview

Ultra-Fast Wi-Fi 6 Data Rate

Simultaneous 574 Mbps on 2.4 GHz and 1200 Mbps on 5 GHz totals 1774 Mbps Wi-Fi 6 speeds.

Flexible Power Options with 1Gbps PoE+ Ethernet

AS240 delivers exceptional performance to support the demand for better Wi-Fi with optimized wired performance, 1G Ethernet port. Compatibility with standard 802.3at PoE+ is ideal for flexible deployment.

Optional Centralized Management

AS240 can be configured by ZCOM WLC (wireless LAN controller) which contains the centralized management platform (zMEC) to remote monitor, implement trouble shooting and optimize performance easily.

It can also optimize wireless transmission quality and security by zMEC edge computing platform. Moreover, the PaaS provides a flexible cloud platform for running, developing and managing AIoT applications.

Advanced Enterprise Security, WPA3

This is another level of security over the older WPA2 technology. By WPA3-Personal that replaces PSK with SAE exchange, more secure encryption of passwords and enhanced protection against brute-force attacks combine to safeguard your Wi-Fi.

Transmit Beamforming

AS240 with beamforming design (TxBF) to improve the signal strength and achieve higher range to a single client for RF reliability.

Easy and Flexible Installation

AS240 provides the necessary parts for installation and features Plug-and-play and configuration free for celling installation.

Multiple Applications

Allows to perform multiple functions, ideal for various scenarios like campus, restaurant, offices, clinic, and commercial space.

Specification

Wi-Fi		
Wireless Standards	IEEE 802.11 a/b/g/n/ac/ax	
Physical Data Rates Supported Rates	802.11axa: 8.6 to 1200Mbps 802.11axg: 8.6 to 574Mbps 802.11ac: 6.5 to 867Mbps 802.11n : 6.5 to 300Mbps 802.11a/g: 6 to 54Mbps 802.11b: 1 to 11Mbps	
Bandwidth Channelization	2.4GHz：20/40 MHz	5GHz：20/40/80 MHz
MIMO	MU-MIMO	
Radio Chains and Streams	2.4GHz：2×2:2 5GHz：2×2:2	
Frequency Bands and Operating Channels	**Taiwan** 2.412 – 2.462 GHz；11 channels 5.180 – 5.320 GHz；8 channels 5.500 – 5.720 GHz；12 channels 5.745 – 5.825 GHz；5 channels	**US** 2.412 – 2.462 GHz；11 channels 5.180 – 5.320 GHz；8 channels 5.500 – 5.720 GHz；12 channels 5.745 – 5.825 GHz；5 channels
	EU 2.412 – 2.472 GHz；13 channels 5.180 – 5.320 GHz；8 channels 5.500 – 5.700 GHz；11 channels	**China** 2.412 – 2.472 GHz；13 channels 5.180 – 5.320 GHz；8 channels 5.745 – 5.825 GHz；5 channels
	Japan 2.412 – 2.472 GHz；13 channels 5.180 – 5.320 GHz；8 channels 5.500 – 5.720 GHz；12 channels	**India** 2.412 – 2.472 GHz；13 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.	

RF		
Antenna Type	Internal	
Antenna Gain (max)	2.4GHz：4dBi	5GHz：4dBi
EIRP	2.4GHz：20dBm	5GHz：20dBm
Frequency Bands	ISM (2.4-2.484GHz) U-NII-1 (5.15-5.25GHz) U-NII-2A (5.25-5.35GHz) U-NII-2C (5.47-5.725GHz) U-NII-3 (5.725-5.85GHz)	

PERFORMANCE AND CAPACITY

Peak PHY Rates	2.4 GHz : 574 Mbps 5 GHz : 1200 Mbps
Client Capacity	512

PERFORMANCE TABLE

	2.4GHz TX TARGET POWER (PER CHAIN)		5GHz TX TARGET POWER (PER CHAIN)	
MU HE40	MCS0	15dBm±2dBm	MCS0	15dBm±2dBm
	MCS11	8dBm±2dBm	MCS11	8dBm±2dBm
MU VHT40	MCS9	10dBm±2dBm	MCS9	10dBm±2dBm
	2.4GHz RECEIVE SENSITIVITY		5GHz RECEIVE SENSITIVITY	
HE20	MCS0	<-89dBm	MCS0	<-94dBm
	MCS11	<-60dBm	MCS11	<-65dBm
HE40	MCS0	<-87dBm	MCS0	<-91dBm
	MCS11	<-59dBm	MCS11	<-62dBm
HE80			MCS0	<-88dBm
			MCS11	<-59dBm

INTERFACE

Ethernet	1x 10/100/1000Mbps WAN Port 1x 10/100/1000Mbps LAN Port	
Addition	1x Reset Button	
Environmental	Storage	Operating
	Temperature : -40~ 70 ℃ Humidity : 5 ~ 95%	Temperature : -15 ~ 55 ℃ Humidity : 5 ~ 95% (non-condensing)

Security	
Encryptions	WPA-PSK/ WPA-EAP, WPA2/WPA3

STANDARDS	
Compliance Standards	FCC Part 15 (Class B) FCC Part 15C FCC Part 15E NCC RoHS **IEEE standards：** IEEE 802.11a/b/g/n/ac/ax

MECHANICAL	
Mounting Method	Ceiling
Dimension	Ø175 mm × 39.1 mm
Anti-static Grade	IEC61000-4-2(Criteria B) Air：±8kV Contact：±4kV
Green	RoHS compliant
LED Definition	● **PWR/SYS：Green** Green Off：power off Green On：power on ● **WLAN ：Green** Off：No Ethernet connection detected On：Ethernet connection detected ● **WAN：Green** On：Connected to the Internet Blinking：Not connected to the Internet
Supported WLC or container-base	- WS5G2 / WS7G2 /WS10G2 - zMEC - ZOAM
Warranty	1 year