AS260

Indoor Wi-Fi 6 Dual-Band Access Point

Z-COM AS260 is high performance Wi-Fi 6 enterprise indoor access point and perfect choice for campus, restaurant, offices, clinic, and commercial space etc.

AS260 verifies on user capacity up to 1024 Wi-Fi clients, fully comply with IEEE 802.11ax, OFDMA Modulation, MU-MIMO, and BSS Color Spatial Reuse, and provides up to 65% higher total throughput in Wi-Fi 5 environment. The Z-COM AS260 significantly improves network coverage in different corners in an industrial field environment with advanced security. Equipped with a high-performance Qualcomm Chipset, it can serve dual-band 5GHz and 2.4G radio at the same time.

- Dual-band Wi-Fi 6 (802.11ax), backward compatible with Wi-Fi 5 (802. 11ac)
- Supports up to 1,200 Mbps in 5GHz and 574 Mbps in 2.4GHz
- Max ERIP up to 29dBm in 5GHz and 29dBm in 2.4GHz
- Internal dual-band antenna
- Target wake time for power-saving of clients & IoT devices
- Upload and download of MU-MIMO improves transmission to APs and client devices
- PoE+ support up to 2.5 Gbps faster than standard Ethernet to increase network performance to boost productivity.

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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.

High Capacity and Reliable Connections

Z-COM AS260 ensures large numbers of users have smooth and reliable network experiences in high-density business networks.

Flexible Power Options with PoE

Optimized wired performance with 2.5 Gbps PoE+ Port, the AS260 delivers exceptional performance to support the demand for better Wi-Fi. Compatibility with standard 802.3at PoE+ is ideal for flexible deployment.

Centralized Management Optional

AS260 are allowed to configure and manage multiple APs in a centralized choices include zMEC (container-based) or Wireless LAN Controller solutions. Through Z-COM WLC that includes remote monitor, troubleshooting, and efficiency-optimized and enjoys simple management, configuration and monitoring of all access points.

With zMEC, the platform for edge computing and PaaS, manages virtualized applications and import software by any x86 servers under different applications.

Advanced Enterprise Security, WPA3

This is another level of security over the older WPA2 technology. By using 192-bit encryption key, more secure encryption of passwords and enhanced protection against brute-force attacks combine to safeguard your Wi-Fi.

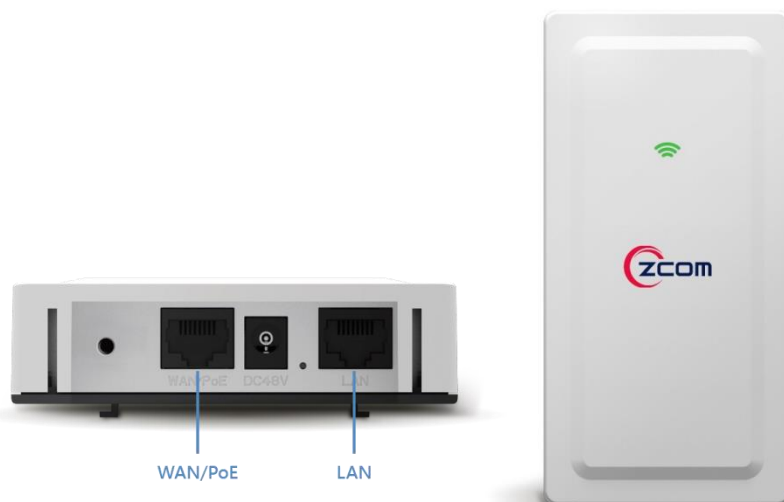### Easy and Flexible Installation

The AS260 provides the necessary parts for installation and features Plug-and-play and configuration free for celling and wall installation.

Transmit Beamforming

AS260 with beamforming design (TxBF) to improve the signal strength and achieve higher range to a single client for RF reliability.

Multiple Applications

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

WAN/PoE   LAN

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Wi-Fi		
Wireless Standards	IEEE 802.11 a/b/g/n/ac/ax	
Physical Data Rates Supported Rates	802.11ax: 4 to 1200 Mbps 802.11ac: 6.5 to 866 Mbps 802.11n: 6.5 to 300 Mbps 802.11a/g: 6 to 54 Mbps 802.11b: 1 to 11 Mbps	
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 Channel	**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 : 3dBi	5GHz: 3dBi
EIRP	2.4GHz: 29dBm	5GHz: 29dBm
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)	

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PERFORMANCE AND CAPACITY

Peak PHY Rates	2.4 GHz: 574 Mbps 5 GHz: 1200 Mbps
Client Capacity	1024

PERFORMANCE TABLE

	2.4GHZ TX TARGET POWER (PER CHAIN)		5GHZ TX TARGET POWER (PER CHAIN)	
MU HE40	MCS0	23dBm+/-2dBm	MCS0	23dBm+/-2dBm
	MCS11	16dBm+/-2dBm	MCS11	15dBm+/-2dBm
MU VH40	MCS9	20dBm+/-2dBm	MCS9	17dBm+/-2dBm
	2.4GHZ RECEIVE SENSITIVITY		5GHZ RECEIVE SENSITIVITY	
HE20	MS0	<-82dBm	MS0	<-82dBm
	MS11	<-52dBm	MS11	<-52dBm
HE40	MS0	<-79dBm	MS0	<-79dBm
	MS11	<-49dBm	MS11	<-49dBm
HE80			MS0	<-76dBm
			MS11	<-46dBm

INTERFACE

Ethernet	1x 10/100/1000M/2.5Gbps WAN Port 1x 10/100/1000M LAN Port	
Addition	Reset Button	
Power	Power Supply	Consumption
	WAN Port : PoE+ (802.3at) LAN Port : PoE Out (802.3af) DC Jack : DC 48 V/1A	≤ 25W
Bluetooth	Version	Frequency
	5.0	2400 ~ 2480MHz
Environmental	Storage	Operating
	Temperature: -40~ 70 ℃ Humidity: 5 ~ 95%	Temperature: -15 ~ 50 ℃ Humidity: 5 ~ 95% (non-condensing)

STANDARDS	
Compliance Standards	IEC/EN 62368-1 EN55032 & EN55024 WEEE & RoHS **IEEE standards:** IEEE 802.11a/b/g/n/ac/ax IEEE 802.11d, e, h, i, j, k, r, u, v time stamp, w, and z standards **Multimedia:** Wi-Fi multimedia (WMM) **Security:** Open System 802.1x WPA-PSK/WPA-Enterprise WPA3-PSK/WPA3-Enterprise **Extensible Authentication Protocol (EAP) types:** 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)

MECHANICAL	
Dimensions	96 (L) × 29.9 (W) × 192 (H) mm
Weight	500g
Mounting Method	Ceiling/Wall
IP rating	IP41
Anti-static Grade	IEC61000-4-2(Criteria B) Air: ±8kV Contact:±4kV
Green	RoHS compliant
LED Definition	LED by SW control White(color) - Steady: Connected to the Internet. - Blinking: Can't connect to the Internet.
Supported WLC or container-base	- WS5G2 / WS7G2 /WS10G2 / WS200G2 / WS500G2 / WS1000G2 - zMEC
Warranty	1 year

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1 x AS260 1 x Mounting Bracket			
OPTIONAL ACCESSORIES AVAILABLE FOR PURCHASE			
AS-CLM4	Ceiling mount + two screws	AS-LK18	Anti-tamper Lock
AS-48052-XX	48V 0.52A power adapter	SP-48063-XX	48V PoE Injector + power cord