

AS710

802.11be, 2x2+2x2+2x2 Tri-Band
Indoor Ceiling Mount Access Point

Product Specification





Specification

Wi-Fi			
Wireless Standards	IEEE 802.11 a/b/g/n/ac/ax/be		
Physical Data Rates Supported Rates	802.11be(6GHz): up to 5765Mbps (320MHz) 802.11be(5GHz): up to 2882Mbps (160MHz) 802.11be(2.4GHz): up to 688Mbps (40MHz) 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	6GHz : 20/40/80/160/320 MHz
MIMO	MU-MIMO		
Radio Chains and Streams	2.4GHz : 2x2:2 5GHz : 2x2:2 6GHz : 2x2:2		
Frequency Bands and Operating Channels*	Taiwan		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 5.955 – 6.415 GHz ; 24 channels		2.412 – 2.462 GHz ; 11 channels 5.180 – 5.320 GHz ; 8 channels 5.500 – 5.720 GHz ; 12 channels 5.745 – 5.885 GHz ; 8 channels 5.955 – 7.115 GHz ; 59 channels
	EU		China
	2.412 – 2.472 GHz ; 13 channels 5.180 – 5.320 GHz ; 8 channels 5.500 – 5.700 GHz ; 11 channels 5.955 – 6.415 GHz ; 24 channels		2.412 – 2.472 GHz ; 13 channels 5.180 – 5.320 GHz ; 8 channels 5.745 – 5.825 GHz ; 5 channels
	Japan		India
	2.412 – 2.472 GHz ; 13 channels 5.180 – 5.320 GHz ; 8 channels 5.500 – 5.720 GHz ; 12 channels 5.955 – 6.415 GHz ; 24 channels		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.		
EIRP*	2.4GHz: 31dBm	5GHz: 29dBm	6GHz: 27dBm
Maximum transmit power is limited by local regulatory settings.			



PERFORMANCE AND CAPACITY	
Peak PHY Rates	2.4 GHz : 688 Mbps 5 GHz : 2882 Mbps 6 GHz : 5765 Mbps
Client Capacity	1536

PERFORMANCE TABLE						
Band, rate	2.4GHz TX TARGET POWER (PER CHAIN)		5GHz TX TARGET POWER (PER CHAIN)		6GHz TX TARGET POWER (PER CHAIN)	
11be EHT40	MCS0	24dBm±2dBm				
	MCS13	20dBm±2dBm				
11be EHT160			MCS0	21dBm±2dBm		
			MCS13	17dBm±2dBm		
11be EHT320					MCS0	19 dBm±2dBm
					MCS13	16 dBm±2dBm
	2.4GHz RECEIVE SENSITIVITY		5GHz RECEIVE SENSITIVITY		6GHz RECEIVE SENSITIVITY	
HE40	MCS0	<-92dBm				
	MCS11	<-61dBm				
HE160			MCS0	<-85dBm		
			MCS13	<-56dBm		
HE320					MCS0	<-82
					MCS13	<-46
Data Modulation	IEEE 802.11 a/b/g <ul style="list-style-type: none"> • DSSS (DBPSK, DQPSK, CCK) • OFDM (BPSK, QPSK, 16-QAM, 64-QAM) IEEE 802.11gn <ul style="list-style-type: none"> • OFDM (BPSK, QPSK, 16-QAM, 64-QAM) IEEE 802.11ac <ul style="list-style-type: none"> • OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM) IEEE 802.11axg/axa <ul style="list-style-type: none"> • OFDMA (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM) • OFDMA (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM, 4096-QAM) 					



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INTERFACE		
Physical	1 x RJ45 support 10/100/1000Mbps/2.5G/5G/10Gbps 1 x Reset Button 1 x DC Jack 1 x Key Lock 1 x Tri-color LED (RGB)	
Ethernet	1x 10/100/1000M/2.5G/5G/10Gbps WAN Port	
Antenna Type	PCBA Omni antenna * 6 (2.4GHz、5GHz、6GHz)	
Antenna Gain	2.4GHz : 4dBi Antenna 5GHz : 5dBi Antenna 6GHz : 5dBi Antenna	
LED Definition	<ul style="list-style-type: none">■ Red light<ul style="list-style-type: none">- Blinking: Booting/ FW Updating/ Reset to default■ Green light (FAP Mode)<ul style="list-style-type: none">- Blinking: Boot Completed (Wi-Fi not activated)- steady on: Wi-Fi Activated■ Blue light (TAP Mode)<ul style="list-style-type: none">- Blinking: Searching for WLC (not yet connected)- steady on: Connected to WLC■ Yellow light<ul style="list-style-type: none">- steady on: Reset Bottom Pressed	
Power supply	WAN Port : PD Input (802.3bt/25.5W) DC Jack : DC 12 V/3A	
Power Consumption	≤25.5W	
Anti-static Grade	IEC61000-4-2(Criteria B) Air : ±8kV Contact : ±4kV	
MECHANICAL		
Mounting Method	Ceiling/ Wall	
Dimension	L 200xW 200xH 35 mm	
Weight	980g	
Environmental	Storage	Operating
	Temperature : -30~ 70 °C Humidity : 5 ~ 95%	Temperature : -30 ~ 40 °C Humidity : 5 ~ 95% (non-condensing)



Security	
Encryptions	WPA-PSK/ WPA-EAP, WPA2/WPA3, Enhanced Open (OWE)
Authentication	802.1X authentication, MAC authentication, PSK authentication, Portal authentication
Access management	Layer 2 user isolation, SSID-based user isolation, Packet filtering, MAC address filtering, Rogue AP detection
Firewall	AI-Generated Firewall

Networking	
Controller Platform Support	<ul style="list-style-type: none">- WS5G2 / WS7G2 /WS10G2- zMEC- ZOAM- Cronus
IP	IPv4, IPv6, dual-stack
VLANs	Supported
WMM	Supported
802.1x	Authenticator & Supplicant?
IoT Onboard	Integrated BLE

Management	
Controller Platform Support	<ul style="list-style-type: none">- WS5G2 / WS7G2 /WS10G2- zMEC- ZOAM- Cronus <p>*The AP rollout, bundled with the controller support, is expected to launch on March 23nd.</p>

STANDARDS	
Regulatory compliance	
Standards Compliance	IEEE standards : IEEE802.11a/b/g/n/ac/ax/be wireless LAN standard IEEE802.3u MDI / MDIX 10/100/1000/2500/5000/10000 Base-T Ethernet Multimedia: Wi-Fi multimedia (WMM)
Green	RoHS

Warranty	1 year
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***Notice: The information contained herein is for reference only. Our company reserves the right to modify specifications at any time. The actual product delivered and our company's internal technical standards shall take precedence over this document.**

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