	<p>2.4G & 5.8G 3000Mbps Ceiling Access Point</p> <p>1: MT7981B+MT7976CN+7531AE, 256M DDR3, 16MB Flash, Maximum support for wireless access with 128 users;</p> <p>2: 1×10/100/1000Mbps WAN, 1×10/100/1000Mbps LAN;</p> <p>3: 100 Meters LOS wireless cover range;</p> <p>4: Support Watchdog/Scheduling Reboot; MU-MIMO, OFDMA, Beamforming;</p> <p>5: Support QVLAN+SSID, Portal,AC controller Managed;</p> <p>6: Flexible wall or ceiling mounting options;</p>
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Product Introduction

The EW-AP6300 is a ceiling-mount wireless access point based on the 802.11ax (Wi-Fi 6) standard, supporting dual-band 2.4GHz and 5GHz operation. It delivers up to 574Mbps on 2.4GHz and 2402Mbps on 5GHz, providing stable high-speed connectivity for up to 128 concurrent users and a maximum concurrent speed of 3000Mbps for the entire machine.

Equipped with 10/100/1000Mbps Ethernet port and 48V PoE support, it enables flexible and easy installation. The EW-AP6300 ensures reliable coverage, high throughput, and low-interference performance, making it ideal for indoor ceiling deployment in offices, hotels, schools, and commercial environments.

Technical Specification

Model	EW-AP6300
Hardware Configuration	
Main Chip	MT7981B+MT7976CN+7531AE

Memory	256MB DDR3					
Flash	SPI NOR 16MB					
2.4G Frequency	2.4GHz ~ 2.484GHz					
5G Frequency	5.150GHz ~ 5.825GHz					
Wireless Technology	2.4GHz Band: IEEE 802.11 b/g/n/ax, , theoretical maximum data rate up to 574Mbps 5GHz Band: IEEE 802.11 a/n/ac/ax, , theoretical maximum data rate up to 2402Mbps					
Dual Band Antenna	2.4GHz: 2×4.6dBi 5GHz: 3×4dBi					
TX Power	Standard	Data Rate / MCS	Typical TX Power	Minimum TX Power		
2.4G TX Power	802.11b	11M	23±2dBm	1M	23±2dBm	
	802.11g	54M	20±2dBm	6M	22±2dBm	
	802.11n HT20	MCS7	19±2dBm	MCS0	21±2dBm	
	802.11n HT40	MCS7	19±2dBm	MCS0	21±2dBm	
	802.11ax HT20	MCS11	17±2dBm	MCS0	21±2dBm	
	802.11ax HT40	MCS11	17±2dBm	MCS0	21±2dBm	
TX Power	Standard	Data Rate / MCS	Typical TX Power	Minimum TX Power		
5G TX Power	802.11a	54M	20±2dBm	6M	23±2dBm	
	802.11n HT20	MCS7	19±2dBm	MCS0	21±2dBm	
	802.11n HT40	MCS7	19±2dBm	MCS0	21±2dBm	
	802.11ac HT20	MCS8	19±2dBm	MCS0	21±2dBm	
	802.11ac HT40	MCS9	19±2dBm	MCS0	21±2dBm	
	802.11ac HT80	MCS9	18±2dBm	MCS0	21±2dBm	
	802.11ax HT20	MCS11	18±2dBm	MCS0	21±2dBm	
	802.11ax HT40	MCS11	18±2dBm	MCS0	21±2dBm	
5G TX Power	802.11ax HT80	MCS11	17±2dBm	MCS0	21±2dBm	
	Rx Sensitivity	Standard	Data Rate / MCS	Typical RX Power	Minimum RX Power	
	2.4G Receiving Sensitivity	802.11b	11M	-87dBm	1M	-96dBm
		802.11g	54M	-75dBm	6M	-93dBm
		802.11n HT20	MCS7	-73dBm	MCS0	-92dBm
		802.11n HT40	MCS7	-70dBm	MCS0	-89dBm
		802.11ax HT20	MCS11	-64dBm	MCS0	-92dBm
		802.11ax HT40	MCS11	-61dBm	MCS0	-89dBm
Rx Sensitivity	Standard	Data Rate / MCS	Typical RX Power	Minimum RX Power		
5G Receiving Sensitivity	802.11a	54M	-74dBm	6M	-92dBm	
	802.11n HT20	MCS7	-73dBm	MCS0	-90dBm	
	802.11n HT40	MCS7	-70dBm	MCS0	-87dBm	
	802.11ac HT20	MCS8	-67dBm	MCS0	-91dBm	
	802.11ac HT40	MCS9	-63dBm	MCS0	-88dBm	
	802.11ac HT80	MCS9	-60dBm	MCS0	-84dBm	
	802.11ax HT20	MCS11	-62dBm	MCS0	-91dBm	

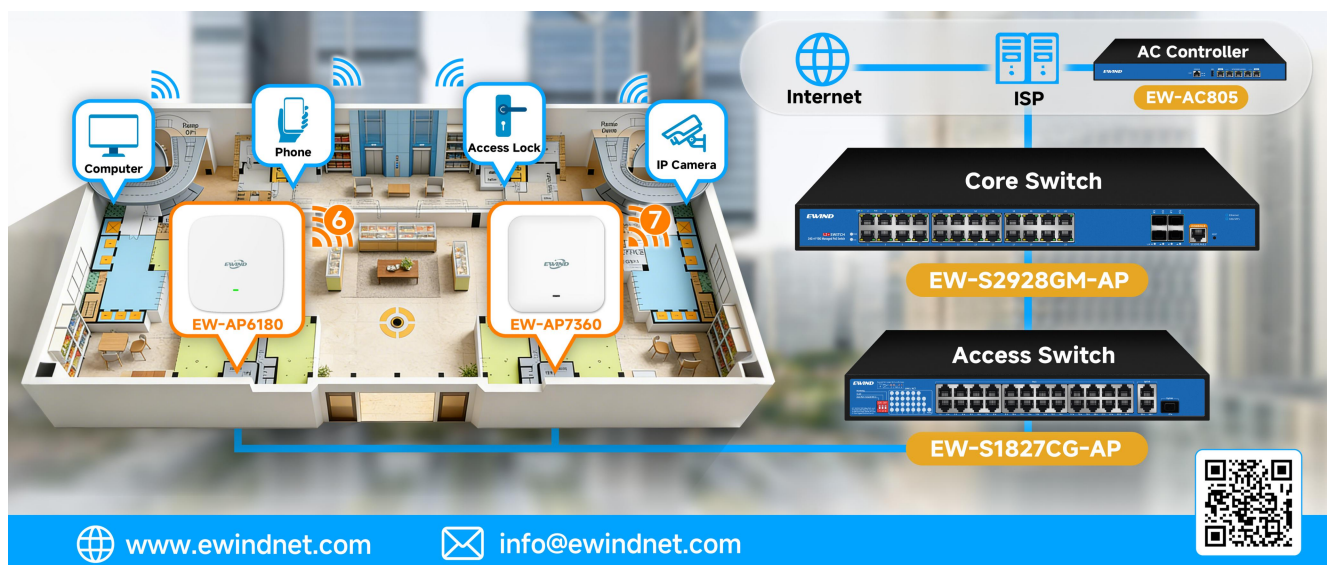
	802.11ax HT40	MCS11	-59dBm	MCS0	-89dBm
	802.11ax HT80	MCS11	-56dBm	MCS0	-86dBm
	802.11ax HT160	MCS11	-53dBm	MCS0	-83dBm
2.4G EVM	802.11b:≤-10 dB; 802.11g:≤-25 dB; 802.11n:≤-28dB; 802.11ax: ≤-35 dB				
5G EVM	802.11a:≤-25 dB; 802.11n:≤-28 dB; 802.11ac:≤-32 dB; 802.11ax:≤-35 dB				
ppm	±20ppm				
Interface	WAN	1*10/100/1000Mbps, support 48V PoE			
	LAN	1*10/100/1000Mbps			
	Indicators	Front Panel – ·Red/·Green/·Blue: Power On: Red ON → System Start → Green ON & Red OFF→ Wi-Fi Active Thin AP – AC disconnected: Red ON & Green OFF & Blue ON AP Locator: Blue Flashes (1 time/second), Red & Green OFF			
	One-Key Reset	Press & Hold 6–10s → Factory Reset			
	Power	PoE 802.3af / DC12V1.5A			
Max Power Consumption	<18W				
Weight	1.6kg				
Operating/Storage Temperature	-20°C~55°C/ -40°C~70°C				
Operating/Storage Humidity	10%~90%(non-condensing) / 5%~95%(non-condensing)				
Dimensions	304mm×181mm×88mm				
ESD	Air +/-8K , Contact +/-6K				
Surge protection	line to ground 2K , line to line 1K				
Certification	CCC; CE mark, commercial;CE/LVD EN60950; FCC Part 15 Class B;RoHS				
WiFi Specification					
Working Mode	Gateway Mode: The device connects to the WAN port and accesses the Internet via static IP, DHCP, or PPPoE.				
	Repeater Mode: In this mode, the device extends an existing wireless network to other clients or devices. It can also connect via Ethernet to another router to access the WAN.				
	AP Mode: The device provides wireless coverage for clients and devices, connecting via Ethernet to a router to access the WAN.				
Wireless Functions	Multiple SSID functions: 2.4GHz: 4; 5.8GHz: 4.				
	Support Watchdog/Reboot Scheduling				
	Support SSID hidden				
	Support seamless roaming				
	Support 5G Prior for a faster Ethernet.				
	Support unicode characters supported				
	Wireless Security: Open, WPA, WPA2PSK_TKIPAES, WAP2_EAP, WPA3				

	Support MAC filter
	Support Wi-Fi time on/off to save energy
	Support client isolation to improve the wireless stability
	Support RF power adjustable, adjust the RF power based on environment.
Networking Function	VLAN settings
	Support gateway mode
Device Management	Back-up the configuration
	Restore the configuration
	Reset to factory default
	Reboot the device: including time reboot or reboot immediately
Software Functions	
Capacity	128 Users Maximum
Management mode	English/Chinese WEB remote management
Status	System/Wireless/Real-time traffic
Network	DHCP/Static IP/PPPoE
Wireless	Wireless switch, SSID, encryption, Password, Wireless multimedia, Isolation, Hidden
System	Device name, system upgrade, configuration restore, backup configuration, factory reset, reboot device.

Outer Case



Application



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Packing List

CONTENT	QTY	UNIT
WiFi 6 Ceiling Mountable Dual Band Access Point (with movable bracket on the back) EW-AP6300	1	pc
Ethernet Cable	1	pc
Screws& Plastic Expansion Plug	4	sets
User manual	1	pc