

Product Datasheet

3000M Wi-Fi 6 Dual-band Ceiling Access Point

(ONV-XAP3000GE)



OVERVIEW

The ONV-XAP3000GE is a high-performance, high-speed 802.11ax indoor dual-band ceiling access point, delivering concurrent 2.4GHz and 5.8GHz connectivity with maximum data rates of 600 Mbps and 2404 Mbps. It is ideally suited for high-density wireless deployment in bustling environments such as railway stations, subway stations, airports, hotels, hospitals, schools, tourist attractions, docks, and shopping malls.

FEATURE

- ◇ Dual-core high-performance processor
- ◇ Dual-band concurrent Wi-Fi speed: 2976Mbps
- ◇ 2*10/100/1000Mbps auto-negotiation RJ45 ports

- ◇ Complies with IEEE 802.11a/b/g/n/ac/ax standards
- ◇ Complies with IEEE 802.3, IEEE 802.3u, and IEEE 802.3ab standards
- ◇ Support WPA-PSK, WPA2-PSK, WPA-PSK+WPA2-PSK, and WPA3-SAE encryption

TECHNICAL SPECIFICATION

Model	ONV-XAP3000GE				
Hardware Specification					
Chipset	MT7981BA + 7976CN + EN8801				
CPU	Dual-core @ 1.3GHz				
DDR3	256MB				
Flash	16MB NOR Flash				
Wireless Protocol Standard	2.4GHz: IEEE 802.11 b/g/n/ac/ax, 5.8GHz: IEEE 802.11 a/n/ac/ax				
Wireless Operating Frequency Band	2.4GHz: 2.412GHz–2.472GHz, 5.8GHz: 5.180GHz–5.825GHz				
Max Wireless Speed	2.4GHz: up to 600Mbps, 5.8GHz: up to 2402Mbps				
2.4G Transmit Power	802.11b	11M	24±2dBm	1M	24±2dBm
	802.11g	54M	21±2dBm	6M	23±2dBm
	802.11n HT20	MCS7	20±2dBm	MCS0	22±2dBm
	802.11n HT40	MCS7	20±2dBm	MCS0	22±2dBm
	802.11ax HE20	MCS11	18±2dBm	MCS0	22±2dBm
	802.11ax HE40	MCS11	18±2dBm	MCS0	22±2dBm
5.8G Transmit Power	802.11a	54M	19±2dBm	6M	22±2dBm
	802.11n HT20	MCS7	18±2dBm	MCS0	21±2dBm
	802.11n HT40	MCS7	18±2dBm	MCS0	21±2dBm
	802.11ac VHT20	MCS9	17±2dBm	MCS0	21±2dBm
	802.11ac VHT40	MCS9	17±2dBm	MCS0	21±2dBm
	802.11ac VHT80	MCS9	17±2dBm	MCS0	21±2dBm
	802.11ax HE20	MCS11	17±2dBm	MCS0	21±2dBm

	802.11ax HE40	MCS11	17±2dBm	MCS0	21±2dBm
	802.11ax HE80	MCS11	17±2dBm	MCS0	21±2dBm
2.4G Receiver Sensitivity	802.11b	11M	-85dBm	1M	-90dBm
	802.11g	54M	-72dBm	6M	-90dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-87dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-85dBm
	802.11ax HE20	MCS11	-60dBm	MCS0	-83dBm
	802.11ax HE40	MCS11	-56dBm	MCS0	-83dBm
5.8G Receiver Sensitivity	802.11a	54M	-72dBm	6M	-92dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-90dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-88dBm
	802.11ac VHT20	MCS9	-70dBm	MCS0	-88dBm
	802.11ac VHT40	MCS9	-68dBm	MCS0	-88dBm
	802.11ac VHT80	MCS9	-58dBm	MCS0	-85dBm
	802.11ax HE20	MCS11	-62dBm	MCS0	-88dBm
	802.11ax HE40	MCS11	-58dBm	MCS0	-86dBm
	802.11ax HE80	MCS11	-55dBm	MCS0	-84dBm
2.4G EVM	802.11b≤-10dB, 802.11g≤-25dB, 802.11n≤-28dB, 802.11ax≤-35dB				
5.8G EVM	802.11a≤-25dB, 802.11n≤-28dB, 802.11ac≤-32dB, 802.11ax ≤-35dB				
Frequency Offset (ppm)	±20 ppm				
2.4G Antenna	Built-in 2*2.4GHz antennas (gain: 4dBi)				
5.8G Antenna	Built-in 2*5.8GHz antennas (gain: 4dBi)				
Network Interface	2*10/100/1000M LAN ports (1 port support PoE 48V input)				
Reset Switch	1*Reset switch (press and hold 10–15s to restore factory defaults)				
LED Indicator	Power, LAN; Tri-color LED (SYS: Red, 2.4G/Wifi: Green, 5.8G/Wifi: Blue)				
Power Supply	48V PoE (IEEE 802.3at compliant) , DC 12V / 1.5A				
Max Power Consumption	<15W				
Material	Imported high-temperature-resistant PC				
Color	White				

Protection Rating	IP31
Installation	Ceiling mount
Physical Parameter	
Operation Temp/ Humidity	-10℃~+55℃, 10%~90% RH non-condensing
Storage Temp/ Humidity	-40℃~+85℃, 5%~95% RH non-condensing
Dimension (L*W*H)	168*168*25mm
Net /Gross Weight	0.28kg/ 0.43Kg
Software Specification	
Operating Mode	Fat/Fit integrated
	Fat AP: independently managed via Web management
	Fit AP: centrally managed by AC (Wireless controller)
AC Management	Support
Wireless Function	
SSID Broadcast	Support
SSID Hiding	Support
Chinese/English SSID	Support
Multiple SSIDs	Support
SSID Merging	Combine multiple bands (2.4GHz and 5.8GHz) into a single shared SSID
Wireless Encryption	WPA, WPA2, WPA-PSK, WPA2-PSK
User Isolation	Inter-wireless network isolation, AP internal isolation
Blacklist/ Whitelist Management	MAC address blacklist/whitelist management
Transmit Power Setting	1dBm linear adjustment
VLAN Setting	SSID and VLAN binding
Wireless Client Limit	Support
Seamless Roaming	Support
System Management	
Device Management	Chinese/ English web management
System Log	Support

Configuration Distribution	Support
Remote Reboot	Remote AC restart
Factory Reset	Support
Configuration Backup	Support
Configuration Import	Support
Software Upgrade	Support

PACKING LIST

	Content	Qty	Unit
Packing List	3000M Wi-Fi 6 dual-band ceiling access point	1	PC
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

CONTACT US



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