Product Datasheet

4-port 1200M dual-band Ceiling Wireless AP

(ONV-MAP1200G4E)

OVERVIEW

The ONV-MAP1200G4E is a high-performance, high-speed indoor 11ac panel AP. It can provide 2.4GHz and 5.8GHz dual-band wireless services, providing a cleaner wireless environment and more stable wireless access.

FEATURE

■ New generation WiFi wireless technology

◇ Added OFDMA, MU-MIMO, and other wireless technologies, the product performance is stronger and the user experience is better.

■ 86-type panel design, PoE power supply

◇ The standard 86-type panel design can replace the original network panel without rewiring and without damaging the original wiring.

◇ Support standard PoE network cable power supply, each AP only needs one network cable, is not restricted by power supply conditions, and is easy to construct.

Automatically select channels

◇ According to the wireless channel usage of the AP environment, it automatically selects the appropriate channel to avoid co-channel interference and ensure wireless stability.

Fat and thin in one, wireless networks of different sizes can be efficiently managed

◇ **Fat AP mode (suitable for small-area wireless coverage):** AP can work independently without the need for wireless controller, low cost.

◇ **Thin AP mode (suitable for large-area wireless coverage):** When used with a wireless controller, APs in the network can be uniformly managed through AC, reducing the difficulty of wireless management.

Support smart roaming

◇ Adopts smart roaming technology based on 802.11kvr protocol to help mobile phones, pads, computers, and other terminal devices automatically access the AP with the best signal quality in multi-AP scenarios such as hotels, apartments, dormitories, villas, etc., effectively improving the user experience and wireless network performance.

TECHNICAL SPECIFICATION

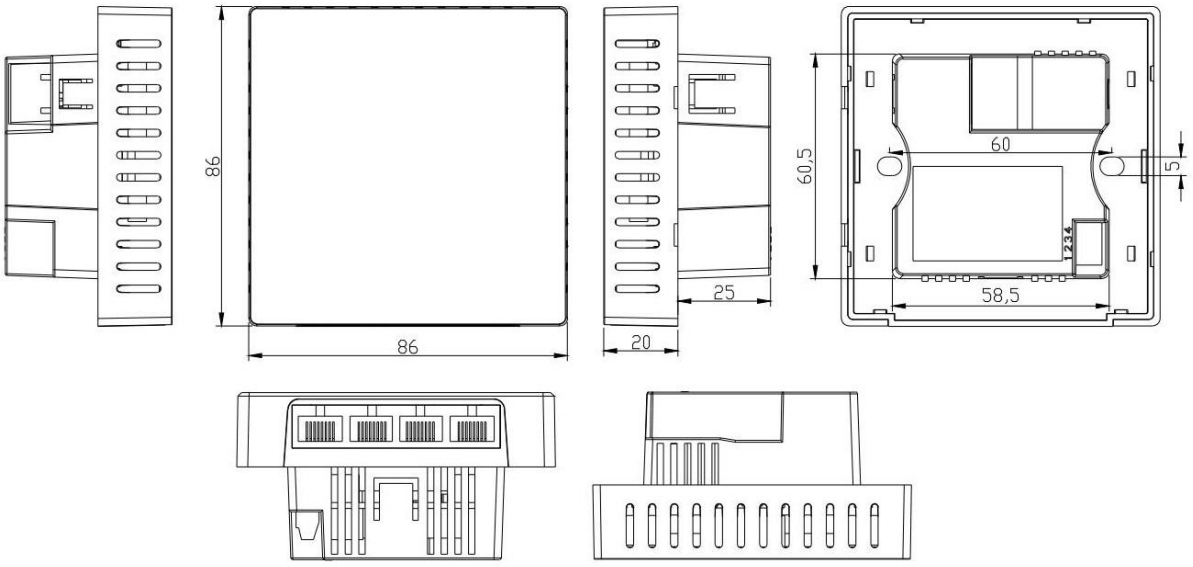
Model	ONV-MAP1200G4E
Hardware	
CPU	MT7621DAT+MT7615D
Flash	SPI NOR 8MB
Memory	Built-in 128MB
2.4G Working Frequency Band	2.4GHz–2.484GHz
2.4G WIFI Transmission Protocol	802.11 b/g/n

5G Working Frequency Band	5.150GHz–5.850GHz				
5G WIFI Transmission Protocol	802.11 a/n/ac				
Built-in Antenna 2.4G	2 onboard antennas, each with a gain of 2dBi				
Built-in Antenna 5G	2 onboard antennas, each with a gain of 2dBi				
Max Speed	1200M				
Max Support Wireless Access	100+				
2.4G Wireless Power	802.11b	11M	18±2dBm	1M	20±2dBm
	802.11g	54M	17±2dBm	6M	19±2dBm
	802.11n HT20	MCS7	16±2dBm	MCS0	18±2dBm
	802.11n HT40	MCS7	15±2dBm	MCS0	17±2dBm
5G Wireless Power	802.11a	54M	16±2dBm	6M	18±2dBm
	802.11n HT20	MCS7	15±2dBm	MCS0	17±2dBm
	802.11n HT40	MCS7	14±2dBm	MCS0	16±2dBm
	802.11ac HT80	MCS9	13±2dBm	MCS0	15±2dBm
2.4G Receiving Sensitivity	802.11b	11M	-82dBm	1M	-94dBm
	802.11g	54M	-72dBm	6M	-90dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
5G Receiving Sensitivity	802.11a	54M	-72dBm	6M	-90dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
	802.11ac HT80	MCS9	-58dBm	MCS0	-85dBm
2.4G EVM	802.11b ≤-10 dB, 802.11g ≤-25 dB, 802.11n ≤-28 dB				
5G EVM	802.11a ≤-25 dB, 802.11n ≤-28 dB, 802.11ac ≤-32 dB				
Frequency Deviation (ppm)	±20ppm				
Interface (WAN)	1*10/100/1000M adaptive WAN port, support 48V PoE power supply				
Interface (LAN)	4*10/100/1000M adaptive LAN ports (optional: 3 LAN ports + 1 telephone port)				

PoE	802.3af
Button	Reset button (press and hold for 6-10 seconds to restore to factory settings)
Status Indicator	SYS indicator
Max Power Consumption	<10W
ESD Test	Air discharge: ±8KV, contact discharge: ±6KV
Surge	Common mode 1kV, differential mode 0.5kV
Dimensions	86mm*86mm*45mm
Weight	0.28kg
Operation Temp/ Humidity	-10°C~+45°C, 5%~95% RH non condensing
Storage Temp/ Humidity	-40°C~+70°C, 5%~95% RH non condensing
Software	
Support Mode	**Gateway mode:** After the device is connected to the WAN through the WAN port, it uses static IP, DHCP, or PPPoE to access the Internet
	AP mode: The device covers the wireless network signal to the client or device, and uses an Ethernet cable to connect to the router and then access the WAN
Wireless Function	SSID broadcast
	Hide SSID function
	Transmit power setting
	WiFi timed shutdown function
	Spectrum navigation (5G priority)
	Channel, channel bandwidth can be set
	Wireless MAC address filtering: support whitelist (100)
	Wireless authentication method: OPEN, WPA/WPA2-PSK
	Provide WIFI analysis function for the current environment
	Limit the number of wireless clients, support max 100 users
	SSID number: 4 (2.4GHz) + 4 (5GHz), support Chinese SSID
	VLAN ID: VLAN-ID range must be 3~4094, 0 means not enabled

	User isolation: isolation between wireless networks, isolation within AP
Network Function	Firewall function
	Cloud platform server
	PPPoE function: support PPPoE dial-up function
	DHCP server: built-in DHCP server or external DHCP server
	IPv4 address: support static address, support obtaining address from management server, and obtains address from network management
Device Management	System log
	Password modification
	Restore factory settings
	Restore configuration information
	Backup configuration information
	Fat and thin AP switching function
	Restart includes scheduled restart and immediate restart
	Time management includes system display time and time synchronization
	Firmware upgrade, optional function of restoring factory settings after upgrade

DIMENSION



PACKING LIST

	Content	Qty	Unit
Packing List	4-port 1200M dual-band ceiling wireless AP	1	PC
	Accessory Package	2	PC
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

CONTACT US

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