

## Product Datasheet

# 3000M Wi-Fi 6 Dual-band Wall-plate Access Point (ONV-MAP3000GE)



## OVERVIEW

The ONV-MAP3000GE is a 3000M dual-band wall-plate access point. It provides wireless signal transmission on two different frequency bands, 2.4GHz and 5.8GHz, with intelligent dual-band switching for easy and seamless roaming. It can meet the high-quality network requirements of various complex scenarios and is ideal for high-density locations such as star-rated hotels, guesthouses, businesses, schools, dormitories, and commercial spaces.

## FEATURE

### ■ Next-gen speed, performance leap

- ◇ Powered by the latest Wi-Fi 6 technology, with integrated OFDMA and MU-MIMO, dramatically improving multi-user concurrency in high-density scenarios and boosting overall network throughput.

### ■ Intelligent tuning, uninterrupted stability

- ◇ Features dynamic channel selection that monitors the environment in real time and automatically avoids interference, ensuring the wireless network always operates at peak performance with smooth, drop-free connectivity.

#### ■ Slim panel, effortless deployment

- ◇ Designed to the standard 86mm form factor, fully compatible with existing junction boxes—no cabling modifications required. Supports standard PoE power supply, with a single Ethernet cable delivering both data and power, simplifying installation and reducing maintenance overhead.

#### ■ Fat/Thin dual-mode, flexible for any scale

- ◇ In Fat AP mode, it works independently for small-scale, cost-effective coverage; in Thin AP mode, it is centrally managed by a wireless controller for large-scale deployments, making network administration effortless. Dual-mode switching adapts flexibly to project requirements of all sizes.

#### ■ Seamless roaming, consistent experience

- ◇ Leverages 802.11kvr-based intelligent roaming technology to automatically guide client devices to the strongest signal in multi-AP environments. Ideal for hotels, apartments, dormitories, and similar scenarios—ensuring zero-perception handoffs during video calls or file transfers, so users stay connected without interruption.

## TECHNICAL SPECIFICATION

| Model                         | ONV-MAP3000GE                             |
|-------------------------------|-------------------------------------------|
| <b>Hardware Specification</b> |                                           |
| Chipset/ CPU                  | MT7981BA+7976CN+EN8801, Dual-core@ 1.3GHz |
| FLASH                         | 16MB                                      |
| DDR                           | 256MB                                     |
| Wired Standard                | IEEE802.3, IEEE802.3u, IEEE802.3ab        |

|                                |                                                                                                                                                                        |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet Port                  | 2*10/100/1000 Mbps auto-sensing WAN/LAN ports                                                                                                                          |
| Antenna                        | Built-in 1*2.4G, 1*5.8G                                                                                                                                                |
| Button                         | 1*reset button                                                                                                                                                         |
| Power Supply Method            | PoE 48V                                                                                                                                                                |
| <b>Software Specification</b>  |                                                                                                                                                                        |
| MESH Networking                | Support                                                                                                                                                                |
| Micro AC Function              | Support (When there is no AC in the network, APs can be set to Micro AC mode. By logging into any one of the APs, you can view and manage all APs within the network.) |
| SSID Count                     | 4*2.4GHz + 4*5.8GHz                                                                                                                                                    |
| Wireless Encryption            | Support encrypted/unencrypted/hidden                                                                                                                                   |
| User Isolation                 | Terminal isolation                                                                                                                                                     |
| Wireless MAC Address Filtering | Support blacklists and whitelists                                                                                                                                      |
| VLAN Setting                   | Support                                                                                                                                                                |
| Transmit Power Setting         | Support                                                                                                                                                                |
| Bandwidth Setting              | Support                                                                                                                                                                |
| Channel Setting                | Support (automatic channel optimization)                                                                                                                               |
| Wireless Client Limit          | Support                                                                                                                                                                |
| Device Management              | Chinese and english web management                                                                                                                                     |
| System Log                     | Support                                                                                                                                                                |
| Factory Reset                  | Support                                                                                                                                                                |
| Configuration Backup           | Support                                                                                                                                                                |
| Configuration Import           | Support                                                                                                                                                                |
| Software Upgrade               | Support                                                                                                                                                                |
| Network Diagnostics            | Support                                                                                                                                                                |
| <b>Wireless Specification</b>  |                                                                                                                                                                        |
| Wireless Standard              | IEEE 802.11a/b/g/n/ac/ax                                                                                                                                               |
| Wireless Speed                 | 2.4G: 574Mbps, 5.8G: 2402Mbps                                                                                                                                          |
| Wireless Frequency Bands       | 2.4GHz & 5.8GHz                                                                                                                                                        |

|                           |                                      |
|---------------------------|--------------------------------------|
| Wireless Encryption       | WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK  |
| <b>Physical Parameter</b> |                                      |
| Operation Temp/ Humidity  | -10℃~+55℃, 10%~90% RH non-condensing |
| Storage Temp/ Humidity    | -40℃~+85℃, 5%~90% RH non-condensing  |
| Dimension (L*W*H)         | 86*86*40mm                           |
| Net /Gross Weight         | 0.188kg/ 0.247kg                     |

## CONTACT US



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