

Product Datasheet

1500M Wi-Fi 6 Dual-band Wall-plate Access Point (ONV-MAP1500GE)



OVERVIEW

The ONV-MAP1500GE is a 1500M 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-MAP1500GE
Hardware Specification	
CPU/ Chipset	RTL8197FH + RTL8832BR + RTL8367RB dual-core processor
Flash	16MB
DDR	128MB

Cable Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab
Ethernet Port	2*10/100/1000M LAN ports (1 PoE 48V input)
Antenna	2*internal omnidirectional antennas: 1*3dBi (2.4GHz) + 1*5dBi (5.8GHz)
Reset Switch	1*Reset switch
Power Supply	PoE 48V
Panel Indicator	WIFI
Software Specification	
MESH Networking	Support
SSID Count	1 (2.4GHz) + 1 (5.8GHz)
Wireless Encryption	Supports 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/English web management
System Log	Support
Factory Reset	Support
Configuration Backup	Support
Configuration Import	Support
Software Upgrade	Support
Network Diagnostics	Support
Wireless Specification	
Wireless Standard	IEEE 802.11a/b/g/n/ac/ax
Wireless Speed	2.4GHz: 574Mbps, 5.8GHz: 1201Mbps
Wireless Encryption	WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK

Physical Parameter	
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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