



W668OAP

**Wi-Fi 6 Dual-Band Outdoor
AP**

Foreedge

Product Introduction

The W668OAP is a Wi-Fi 6 dual-band outdoor wireless AP with a maximum concurrent dual-band rate of up to 2976Mbps, suitable for building stable and high-speed wireless networks for users. Its optimized and enhanced wireless transmit power and receive sensitivity also enlarge the wireless coverage area, better meeting the requirements of multi-user access scenarios.

The W668OAP offers excellent environmental adaptability. The whole unit adopts a fully sealed waterproof, dustproof and moisture-proof design and meets IP67 protection requirements, delivering outstanding performance even in extreme environments with long-term wind, sun exposure, ice and snow.

The W668OAP supports local management and centralized AC management, so administrators can easily perform remote configuration management and status monitoring.

Main Features

- Sixth-generation Wi-Fi standard for leading speed
- 160MHz ultra-wide channel width and 3000M-class wireless rate for smooth 4K HD video
- MU-MIMO (Multi-User Multiple-Input Multiple-Output) technology transmits to multiple terminals simultaneously on the same channel, with no bandwidth contention
- OFDMA (Orthogonal Frequency Division Multiple Access) technology transmits data of multiple users in each frame, greatly improving Wi-Fi transmission efficiency

- Standard IEEE802.3at/bt power supply; a single network cable delivers both power and network
- IP67 waterproof and dustproof, industrial-grade wide-temperature hardware design, immune to rain, snow, wind and frost
- Multiple management methods for a variety of application scenarios

Specifications

Hardware Features	
Dimensions	253mm×102mm×60mm (excluding external antennas and mounting bracket)
Mounting	Pole mounting (pole diameter: 24-30mm)
Wireless Protocol	IEEE 802.11a/b/g/n/ac/ax
Physical Ports	1 x 10/100M/1000M WAN port (Auto MDI/MDIX)
Physical Buttons	Reset button
Status LED	One multi-color status LED
Antenna Connector	SMA-K
Included Antennas	2 x external 5dBi omni-directional antennas (detachable)
Power Input	IEEE802.3af/at/bt (48V PoE) 12V DC (outer diameter: 5.5mm, inner diameter: 2.1mm)

Max Power Consumption	10W
2.4G Operating Frequency	2412~2472MHz (channels 1~13)
5G Operating Frequency	5180~5350MHz (channels 36~64) 5490MHz~5730MHz (channels 100~144) 5735MHz~5835MHz (channels 149~165)
Wireless Rate	2.4G: 574Mbps 5G: 2402Mbps
Spatial Streams	2.4G: 2 streams, 2×2 MU-MIMO 5G: 2 streams, 2×2 MU-MIMO
Max Transmit Power	2.4G: 22dBm±2dB 5G: 21dBm±2dB (actual transmit power varies with regulations of different countries and regions)

Specifications

Operating Environment	
ESD Standard	Air: 15kV, contact: 8kV
Port Lightning Protection	±4kV
Protection Rating	IP67
Operating Temperature	-35°C~70°C
Operating Humidity	10%~90%RH (non-condensing)

Storage Temperature	-40°C□70°C
Storage Humidity	5%□90%RH (non-condensing)
Software Features	
Working Mode	Router mode AP mode
Status Monitoring	Device information monitoring Network connection status monitoring
Network Settings	Supports IPv4 and IPv6 dual-stack Supports PPPoE, static IP and DHCP access Supports hardware-accelerated forwarding Supports static routing Supports dynamic and static DHCP server
RF Settings	Supports switching among 20+ countries/regions Supports modification of the RF working mode Supports automatic and manual channel setting Supports manual channel width setting Supports setting the minimum access signal of terminals Supports multi-level wireless transmit power adjustment Supports connection and rejection of weak-signal clients

Software Features	
RF Settings	Supports Short-GI Supports WMM Supports DTIM Supports LDPC Supports STBC Supports AP isolation

Wi-Fi Settings	- Supports up to 8 SSIDs working simultaneously - Supports dual-band combination - Supports WPA-PSK, WPA2-PSK and WPA3-PSK authentication and encryption - Supports SSID VLAN - Supports hidden SSID - Supports wireless blacklist and whitelist - Supports guest network - Supports mutual isolation of SSIDs - Supports TWT terminal wake-up
Easy Mesh	- Supports automatic election of the master node - Supports networking of up to 6 devices - Supports cascading of up to 3 levels of devices
Terminal Monitoring	- Supports monitoring of IP, MAC and online time of connected terminals - Supports uplink and downlink rate limiting for connected terminals
Security Settings	- Supports Internet behavior filtering based on IP, MAC, port and domain name - Supports application access filtering based on user and time - Supports port forwarding
System Management	- Supports NTP time synchronization - Supports system running logs and kernel logs - Supports configuration backup - Supports factory reset - Supports system reboot - Supports Apollo cloud platform and mobile APP management
System Upgrade	- Local upgrade - Online upgrade
System Language	- Simplified Chinese - English

Ordering Information

Model	Product Description
W668OAP	Wi-Fi 6 dual-band outdoor AP, total wireless rate up to 2976Mbps, Gigabit network port, supports both IEEE802.3af/at and 12V DC power supply, IP67 waterproof and dustproof, industrial-grade wide-temperature design, supports local WEB management, unified AC management and cloud platform management