HORED®

WiFi6 Dual-band 3000M ceiling AP

Datasheet

Model：W688AP

一、 Product Introduction

W618AP is a high-performance, high-speed indoor 11ax dual frequency ceiling AP that can provide up to 3000M wireless access, suitable for shopping malls, conference rooms, offices, and more.

二、 Product Features

- Simultaneously running 2.4GHz (574Mbps) and 5GHz (2402Mbps) to achieve a maximum wireless throughput of 3000Mbps

- Adopting Qualcomm IPQ chip, supporting 160Mhz, greatly expanding user capacity and supporting 128 users.

- Support hardware watchdog function, automatic recovery of abnormal devices, maintenance free

- The heat dissipation fins are treated with a special surface coating, resulting in a more ideal heat dissipation effect.

- Support for 48V PoE

三、 Hardware parameters

Model	W688AP
Flash	SPI NOR 8MB SPI NAND 128MB
DDR	512MB

2.4G frequency band	2.4GHz – 2.484GHz
2.4G WIFI protocol	802.11 b / g / n /ax
5G frequency band	5.150GHz～5.850GHz
5G WIFI protocol	802.11 a / n / ac; /ax
2.4G antenna	2*4dBi
5G antenna	2*4dBi
Maximum rate	2.4G：MAX 574Mbps， 5G：MAX 2402Mbps
WAN Port	1 * 10/100/1000M WAN port, support 48V POE
LAN Port	1 *Console port
Power	DC2.0 12V ⎓ 1.5A，PoE 802.3at
Button	Reset button (long press for 6-10 seconds to restore factory configuration)
light	Three color lights (three different colors represent: sys red, 2.4G green, 5.8G blue)
Max Power	<16W
产品尺寸	186mm × 186mm × 37mm
weight	0.55kg
Evironment	Working Temperature：0°~40℃ Storage Temperature：-40℃～70℃ Working Humidity：10%~ 90% RH nun-condensing Storage Humidity：5%~ 90% RH nun-condensing
Safty Compliance	CE/ROHS/FCC/CCC

四、 Software Features

Mode	Gateway mode: The device connects to the wide area network through a WAN port and then uses static IP, DHCP, or PPPOE to connect to the internet AP mode: The device covers the wireless network signal to other clients or devices, and connects to other routers using Ethernet cables before accessing the wide area network

WiFi	SSID broadcast Number of SSIDs: 4 (2.4GHz)+4 (5GHz), supporting Chinese SSIDs Hide SSID function Wireless authentication methods: OPEN, WPA/WPA2-PSK Channel and channel bandwidth can be set Wireless MAC address filtering: supports whitelist (100) VLAN ID: The VLAN-ID range must be between 3 and 4094, where 0 indicates not enabled Spectrum navigation (5G priority) WiFi timed shutdown function User isolation: wireless network isolation, AP internal isolation Transmission power setting Limited number of wireless clients, supporting a maximum of 100 users Provides WIFI analysis functionality for the current environment
Network functions	IPv4 address: supports static addresses, obtains addresses from management servers, and obtains addresses from network administrators DHCP server: It can be either a built-in DHCP server or an external DHCP server Cloud Platform Server Firewall function PPPOE function: supports PPPOE dialing function
device management	Backup configuration information Restore Configuration Information Restore factory settings Reboot includes scheduled and immediate restarts Password modification Firmware upgrade, optional whether to restore factory settings after the upgrade is completed Time management includes system display time and time synchronization system log Fat and thin AP switching function