

APH5-AX830 Product Specifications

Product Overview

YUNCORE® APH5-AX830 is a high-performance, high-speed dual-band WiFi6 outdoor product that provides 2.4GHz and 5GHz dual-band wireless services. The 2.4GHz band provides a maximum access rate of 574Mbps, and the 5GHz band provides a maximum access rate of 2402Mbps.

Product Features

- Supports 160MHz, greatly expanding user capacity and supporting 128 users.
- The heat sink adopts a snap-on structure design and special surface coating treatment, which makes the heat dissipation effect more ideal.
- The radio frequency uses a high-power external FEM, which has stable performance, wide wireless range and longer transmission distance.



Specifications	
2.4GHz Frequency Band	2.4GHz ~ 2.484GHz
2.4GHz WIFI Protocol	802.11 b/g/n/ax
5GHz Frequency Band	5.150GHz ~ 5.825GHz
5GHz WIFI Protocol	802.11 a / n / ac / ax
Antenna 2.4GHz	2 × 2.4GHz antennas, each gain: 6dBi
Antenna 5GHz	2 × 5GHz antennas, each with a gain of 6dBi
Wireless Speed	2.4GHz provides a maximum access rate of 574Mbps, and 5GHz provides a maximum access rate of 2402Mbps
Device Capacity	128
2.4GHz Tx Power	<26±2dBm
5GHz Tx Power	<25±2dBm

Interface	1 × 10/100/1000/2500Mbps adaptive WAN port, supporting PoE 48V power supply; 1 × 10/100/1000Mbps adaptive LAN port
Button	Reset button (press and hold for 6-10 seconds to restore to factory default settings)
Status indicator	WiFi: When either 2.4G/5G is turned on (green is always on, data is sent or received, flashing, WiFi is turned off, off) LAN: Gigabit LAN port indicator light (green, off when not connected, always on when connected, flashing when data is being sent or received) WAN: Gigabit WAN port indicator light (green, off when not connected, always on when connected, flashing when data is being sent or received) SYS: System light, flashes when the system is normal PWR: Power indicator light (green, always on when powered on; off when not powered on)
Power Supply	DC2.0 12V/2A, PoE 802.3at
Power Consumption	<22W
Dimensions	230mm × 180mm × 47.1mm
Net Weight	0.85kg
Work Environment	Normal operating temperature: -30°C to 55°C Storage temperature: -40°C to 70°C Humidity: 5% to 95% (no condensation)
Protection Level	IP65

Software Features	
Front Page	Working mode: Fat AP mode and Thin AP mode Wireless AP download rate, wireless AP upload rate, running time Device information, device description, intranet information, WIFI information
Support Mode	Gateway mode: The device is connected to the WAN through the WAN port and then accesses the Internet using static IP, DHCP or PPPoE AP mode: The device covers other clients and devices with wireless network signals and uses Ethernet to connect to other routers to access the WAN.
Wireless Capabilities	SSID Broadcast Number of SSIDs: 4 (2.4GHz) + 4 (5GHz), support Chinese SSID Hide SSID function Wireless encryption: OPEN, WPA/WPA2PSK-TKIPAES, WPA3PSK-AES Wireless MAC address filtering: support whitelist WiFi timer off function User isolation: isolation between wireless networks and isolation within APs Transmit power setting Wireless client number limit QoS: WMM

Network Features	Connection method: static address, obtained from the management server, obtained from the gateway DHCP server: It can be a built-in DHCP server or an external DHCP server Cloud Platform Server Firewall function PPPoE function: Support PPPoE dial-up function
Device Management	Backing up configuration information Restore configuration information Restore factory settings Restart includes scheduled restart and immediate restart Firmware Upgrade Time management includes system display time and time synchronization System log Fat and thin AP switching function