APH6-AX3000 Product Specifications

Product Overview

YUNCORE® APH6-AX3000 is a high-performance dual-band 802.11AX product that can provide 2.4GHz and 5GHz dual-band wireless services. The 2.4GHz frequency can provide a maximum access rate of 574Mbps, and the 5GHz frequency can provide a maximum access rate of 2402Mbps.

Product Features

- The heat sink adopts a snap-on structure design and surface nano-coating treatment, which makes the heat dissipation effect more ideal.
- The radio frequency adopts high-power FEM, which has stable performance, wide wireless range and longer transmission distance.
- The built-in lightning protection design greatly enhances the protection capability of the equipment.
- Full metal shell design, protection grade IP67.

Specifications	
2.4GHz Frequency Band	2.4GHz ~ 2.484GHz (802.11 b/g/n/ax)
5GHz Frequency Band	5.150GHz ~ 5.850GHz (802.11 a/n/ac/ax)
Antenna 2.4GHz	2 2.4GHz omnidirectional 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 × 10/100/1000Mbps SFP optical port 1 × 10/100/1000Mbps WAN port, support PoE 48V input 1 × 10/100/1000Mbps LAN port
Button	reset button(Press and hold for 6-10 seconds to restore to factory default settings)
Status indicator	Silk-screen PWR: Power indicator light (green, always on when powered on; off when not powered on) Silk-screen SFP: Gigabit optical port indicator (green, off when not connected, always on when connected, flashing when data is sent or received) Silkscreen WAN: Gigabit WAN port indicator (green, off when not connected, always on when connected, flashing when sending or receiving data) Silkscreen LAN: Gigabit LAN port indicator (green, off when not connected, always on when connected, flashing when sending or receiving data) Silkscreen 5G: 5GHz status (green, 5GHz WiFi is on, always on, data is sent and received, flashing, WiFi is off, off) Silkscreen 2.4G: 2.4GHz status (green, 2.4GHz WiFi is on, always on, data is sent and received, flashing, WiFi is off, off)
Power Supply	PoE 802.3at, DC2.0 12V/2A
Power Consumption	<18W
Dimensions	243.2mm × 218.3mm × 68.3mm
Net Weight	1.825kg
Work Environment	Normal operating temperature: -40℃ to 70℃ Storage temperature: -40℃ to 70℃ Humidity: 5% to 95% (no condensation)
Protection Level	IP67

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