

APH9-BE19000 Product Specifications

Product Overview

YUNCORE® APH9-BE19000 is a high-performance, high-speed WiFi 7 outdoor tri-band AP that can provide 2.4GHz, 5GHz, and 6GHz tri-band wireless services, a total of 12 streams, 4×4 (2.4GHz) + 4×4 (5GHz) + 4×4 (6GHz), with a total rate of nearly 19Gbps. It is suitable for high-density scenarios and supports up to 1536 users.

Product Features

- Supports wider channels, up to 320MHz channels.
- Supports 4096QAM modulation mode, further improving transmission efficiency.
- Supports MLO (Multi-Link Operation) multi-link connection function and multi-frequency concurrency.
- It also supports 10Gbps optical fiber interface and network interface to fully utilize the performance of the device.



Specifications	
2.4GHz Frequency Band	2.4GHz ~ 2.484GHz (802.11 b/g/n/ax/be)
5GHz Frequency Band	5.150GHz ~ 5.850GHz (802.11 a/n/ac/ax/be)
6GHz Frequency Band	5.925GHz ~ 7.125GHz (802.11 a/n/ac/ax/be)
2.4GHz/5GHz Antenna	4 × 2.4GHz/5GHz omnidirectional antennas, each with a gain of 6dBi
6GHz antenna	4 × 6GHz omnidirectional antennas, each with a gain of 6dBi
Wireless Speed	2.4GHz provides a maximum access rate of 1376Mbps, 5GHz provides a maximum access rate of 5764Mbps, and 6GHz provides a maximum access rate of 11528Mbps, with a total rate of nearly 19Gbps.
Device Capacity	1536
2.4GHz Tx Power	<24±2dBm
5GHz Tx Power	<23±2dBm

6GHz Tx Power	<23±2dBm
Interface	1 × 10G SFP optical port 1 × 10GE WAN port, support PoE 48V input 1 × 10/100/1000/2500Mbps LAN port
Buttons	reset button(Press and hold for 6-10 seconds to restore to factory default settings)
Status Indicator	WAN port light: Silkscreen WAN: single green light on the front; always on for UP, off for Down, flashes when there is data LAN port light: Silkscreen LAN: single green light on the front; always on for UP, off for Down, flashes when there is data WiFi light: Silkscreen WiFi: Green/blue dual color on the front; 2.4GHz is always green when turned on, off when turned off, and flashes when there is data; 5GHz, 6GHz is always blue when turned on, off when turned off, and flashes when there is data SFP interface light: Silkscreen SFP: single green light on the front; always on for UP, off for Down, flashing when there is data Power/SYS: Silk-screen SYS: Red/green dual colors on the front; the red light is always on immediately after power is turned on, and the red light goes out and the green light is always on after the system starts.
Power Supply	PoE 802.3bt, DC2.0 54V/1A
Power Consumption	< 42W
Dimensions	318.4mm × 269.4mm × 90.2mm
Work Environment	Normal operating temperature: -40°C to 70°C Storage temperature: -40°C to 70°C 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	<p>SSID Broadcast</p> <p>Number of SSIDs: 4 (2.4GHz) + 4 (5GHz), support Chinese SSID</p> <p>Hide SSID function</p> <p>Wireless encryption: OPEN, WPA/WPA2PSK-TKIPAES, WPA3PSK-AES</p> <p>Wireless MAC address filtering: support whitelist</p> <p>WiFi timer off function</p> <p>User isolation: isolation between wireless networks and isolation within APs</p> <p>Transmit power setting</p> <p>Wireless client number limit</p> <p>QoS: WMM</p>
Network Features	<p>Connection method: static address, obtained from the management server, obtained from the gateway</p> <p>DHCP server: It can be a built-in DHCP server or an external DHCP server</p> <p>Cloud Platform Server</p> <p>Firewall function</p> <p>PPPoE function: Support PPPoE dial-up function</p>
Device Management	<p>Backing up configuration information</p> <p>Restore configuration information</p> <p>Restore factory settings</p> <p>Restart includes scheduled restart and immediate restart</p> <p>Firmware Upgrade</p> <p>Time management includes system display time and time synchronization</p> <p>System log</p> <p>Fat and thin AP switching function</p>