AC-HQ500 Product Specifications

Product Overview

YUNCORE® AC-HQ500 is a high-performance dual-band 802.11AC product that can provide 2.4GHz and 5GHz dual-band wireless services. The 2.4GHz provides a maximum access rate of 300Mbps, and the 5GHz provides a maximum access rate of 867Mbps.

Product Features

- Better transmission quality, higher transmission rate, and concurrent rate up to 1200Mbps.

- Coverage distance > 100 meters, can support 100+ users.

- The radio frequency uses high-power FEM, which has stable performance and longer coverage.

- The addition of lightning protection board components greatly enhances the protection capability of the equipment.

Specifications	
2.4GHz Frequency Band	2.4GHz – 2.484GHz
2.4GHz WIF Protocol	802.11b/g/n
5GHz Frequency Band	5.150GHz ~ 5.850GHz
5GHz WIFI Protocol	802.11a/n/ac
Antenna 2.4GHz	2 2.4GHz omnidirectional antennas, each gain: 6dBi
Antenna 5GHz	2 5GHz omnidirectional antennas, each with a gain of 6dBi
Wireless Speed	2.4GHzProvides a maximum access rate of 300Mbps, 5GHzProvides a maximum access rate of 867Mbps
Device Capacity	100+

2.4GHz Tx Power	<26±2dBm
5GHz Tx Power	<22±2dBm
Interface (WAN)	1 10/100/1000M adaptive WAN port, support 48V PoE
Interface (LAN)	1 10/100/1000M adaptive LAN port
Button	Reset button (press and hold for 6-10 seconds to restore to factory default settings)
Status Indicator	PWR light, SYS light, WAN port light, 2.4GHz light, 5GHz light
Power Supply	PoE802.3at
Power Consumption	< 16W
Dimensions	304mm × 181mm × 88mm
Net Weight	1.6kg
Work Environment	Normal operating temperature: -30℃ to 55℃ 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
	Relay mode: In this mode, the device will extend the wireless network signal to other clients or devices, and use an Ethernet cable to connect to other routers to access the WAN.
	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
	Spectrum navigation (5G first)
	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