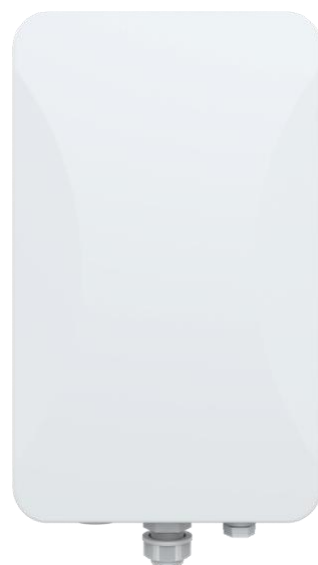# AX-HQ850 Product Specifications

Product Overview

YUNCORE® AX-HQ850 is a high-performance dual-band 802.11AX product that can provide 2.4GHz and 5GHz dual-band wireless services. 2.4G provides a maximum access rate of 574Mbps, and 5GHz provides a maximum access rate of 4804Mbps.

Product Features

- It has better transmission quality, higher transmission rate, and concurrent rate up to 5400Mbps.
- The use of high-performance chips greatly expands the user capacity and can support 256+ 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.

Hardware 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)
Antennas	2×2.4GHz/5GHz omnidirectional antennas, 2.4GHz gain: 5dbi, 5GHz gain: 6dbi
Wireless Speed	2.4GHz provides a maximum access rate of 574Mbps, 5GHz provides a maximum access rate of 4804Mbps
Device Capacity	256
2.4GHz Tx Power	<22±2dBm
5GHz Tx Power	<23±2dBm
Interface	1 × 10/100/1000/2500Mbps WAN port, support PoE 48V power supply 1 × 10/100/1000Mbps LAN port

Buttons	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	1.06kg
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 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