

BE-HQ830 Product Specifications

Product Overview

YUNCORE® BE-HQ830 is a dual-band WiFi 7 outdoor AP product that can provide 2×2 (2.4GHz) + 2×2 (5GHz). The 2.4GHz provides a maximum access rate of 688Mbps, and the 5GHz provides a maximum access rate of 2882Mbps. The total rate is nearly 3600Mbps and supports 128 users.

Product Features

- Supports 4096QAM modulation mode, further improving transmission efficiency.
- Supports MLO (Multi-Link Operation) multi-link connection function and multi-frequency concurrency to provide a better user experience.
- Support 2.5Gbps network interface to better exert device performance.
- It supports both PoE (802.3at) power supply and DC power supply, making installation and deployment more convenient.
- 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
2.4GHz WIFI Protocol	802.11 b/g/n/ax/be
5GHz Frequency Band	5.150GHz ~ 5.850GHz
5GHz WIFI Protocol	802.11 a/n/ac/ax/be
Built-in antenna 2.4GHz	2 × 2.4GHz antennas, each gain: 4dBi
Built-in antenna 5GHz	2 × 5GHz antennas, each gain: 4dBi
Wireless Speed	2.4GHz provides a maximum access rate of 688Mbps, and 5GHz provides a maximum access rate of 2882Mbps, with a total rate of nearly 3.6Gpbs.

Device Capacity	128
2.4GHz Tx Power	<24±2dBm
5GHz Tx Power	<23±2dBm
Interface (WAN)	1 × 10/100/1000/2500Mbps WAN port, support 802.3at input
Interface (LAN)	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	<20W
Dimensions	304mm × 181mm × 88mm
Net Weight	1.6kg
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	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 uses static IP, DHCP or PPPOE to access the Internet
	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