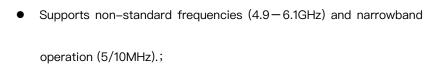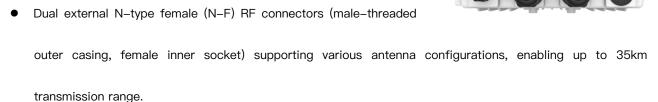# WB5acH6-N Product Specifications Document
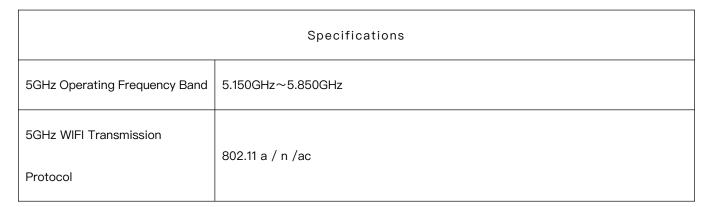
Description：

YUNCORE® WB5acH6-NA high-performance, high-speed industrial-grade long-range wireless bridge, featuring long transmission distance, strong penetration capability, and excellent anti-interference perform.

Features：

- Independent lightning protection board enhances reliability in harsh environments.

- TDMA 3 intelligent dynamic polling protocol with ATPC (Automatic Transmit Power Control)；

- Supports non-standard frequencies (4.9－6.1GHz) and narrowband operation (5/10MHz).；

- Dual external N-type female (N-F) RF connectors (male-threaded outer casing, female inner socket) supporting various antenna configurations, enabling up to 35km transmission range.

Specifications	
5GHz Operating Frequency Band	5.150GHz～5.850GHz
5GHz WIFI Transmission Protocol	802.11 a / n /ac

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Wireless Speed	867Mbps
Antenna	Device with Dual N-Type Female (N-F) Connectors
5GHz Wireless power	<26±2dBm
Interface (WAN)	1/10/100/1000M Self-adaptive WAN Port，Supports PoE 24~48V power supply；
Interface（LAN）	1/10/100/1000M Self-adaptive LAN Port
Button	Reset Button（hold 6-10 seconds to restore factory defaults)
Status indicator	PWR ，WAN Port light，LAN Port light，WIFI Indicator light×5
Power supply	PoE 24V Passive and DC 12V；Customizable IEEE 802.3af-compliant 48V PoE version available
Max Power Consumption	<12W
Product Dimensions	243mm×218mm×67mm
Weight	1.756Kg
Work Environment	Working:-40℃ to 70℃；Storage: -40℃ to 70℃；Humidity：5%～95% (Non-Condensing)
IP-rated protection	IP67

Software Features	
Dashboard	Device Information, Wireless Information, Network Information, Port Information

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Wireless Mode	Access Point (Auto WDS), Access Point (TDMA3), Station (WDS/TDMA3), Station (ARPNAT)
Wireless Technology	Intelligent Dynamic Polling, Auto Channel Selection, Auto Modulation Selection, Automatic Transmit Power Control (ATPC), Backup SSID
Wireless Security	WPA/WPA2 Personal Encryption, WPA/WPA2 Enterprise Encryption, WACL (Wireless Access Control List), Client Isolation
Wireless QoS	TDMA-based 4-level Priority Queuing, Bandwidth Limiting
Network Mode	IPv4 IPv6 Bridge, Router
Network Technology	VLAN Support, VLAN Transparent Transmission, STP (Spanning Tree Protocol)
WAN Protocol	Static IP, DHCP Client
Services	DHCP Server, SNMP Service, NTP Client, Ping Watchdog, System Alerts, mDNS, CDP/LLDP (Cisco Discovery Protocol/Link Layer Discovery Protocol), SSDP (Simple Service Discovery Protocol), GRE Tunnel, PPPoE Intermediate Agent
Management	HTTP GUI, SSH, SNMP read, WNMS, TelGet, Cloud Platform, Remote Logging
Tools	Site Survey, Connection Test, Antenna Alignment, Traceroute
Device Management	Basic Device Information Settings, System Configuration, User Management, LED Settings

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