

WB5acH6-29 Product Specifications Document

Description:

YUNCORE® WB5acH6-29 A 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.
- External 29dBi dual-polarized directional panel antenna, supporting transmission distances of up to 25 km.
- 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).



Specifications	
5GHz Operating Frequency Band	5.150GHz ~ 5.850GHz
5GHz WIFI Transmission Protocol	802.11 a / n /ac
Wireless Speed	867Mbps
Antenna	Dual N-Type Female (N-F) connectors for external parabolic antenna gain: 29dBi
5GHz Wireless power	< 26 ± 2 dBm
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
Power supply	PoE 24V Passive and DC 12-24V; Customizable IEEE 802.3af-compliant 48V PoE version available
Max Power Consumption	< 15W
RST Button	Reset Button (hold 6-10 seconds to restore factory defaults)
Status indicator	SYS light , WAN Port light, LAN Port light, Indicator light×5
Product Dimensions	243mm×218mm×67mm

Weight	1.756Kg
Work Environment	Working:-40°C to 70°C; Storage: -40°C to 70°C; Humidity: 5% ~ 95% (Non-Condensing)
IP-rated protection	IP67

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