WB5G-S Product Specifications Document

Description:

YUNCORE® WB5G-S This is a high-performance, high-speed outdoor long-range wireless bridge, featuring extended transmission distance, strong penetration capability, and superior anti-interference performance.
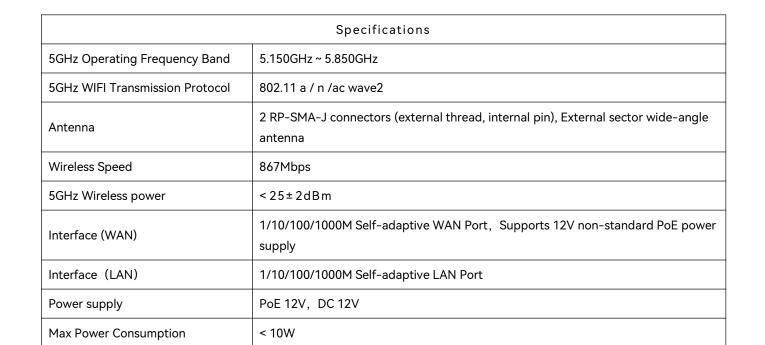
Features:

- Supports intelligent channel analysis and automatic optimal channel selection, with a maximum speed of 867Mbps;

- SMA connector (external thread, internal pin), compatible with various antennas, supports transmission distances of up to 30 kilometers.

- Supports one-key pairing;

Specifications	
5GHz Operating Frequency Band	5.150GHz ~ 5.850GHz
5GHz WIFI Transmission Protocol	802.11 a / n /ac wave2
Antenna	2 RP-SMA-J connectors (external thread, internal pin), External sector wide-angle antenna
Wireless Speed	867Mbps
5GHz Wireless power	< 25±2dBm
Interface (WAN)	1/10/100/1000M Self-adaptive WAN Port，Supports 12V non-standard PoE power supply
Interface（LAN）	1/10/100/1000M Self-adaptive LAN Port
Power supply	PoE 12V，DC 12V
Max Power Consumption	< 10W
Rest Button	hold 10 seconds to restore factory defaults，Press for 1 second to initiate pairing
Slide Switch	One-touch master/slave configuration
Status indicator	SYS LED、WAN Port LED、LAN Port LED、5G WiFi LED、Signal Strength LEDs ×4

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Product Dimensions、Weight	186×86×40mm、0.4kg
Work Environment	Working:-30℃ to 55℃; Storage: -40℃ to 70℃; Humidity: 5%～95% （Non-Condensing）
IP-rated protection	IP65

Software Features	
Status Display	Displays work mode, Network topology, Signal strength, CPU/memory usage, Real-time traffic rate, Device description
	LAN info, Wireless info, Bridge info, WAN info (gateway/WISP).
Work Mode	AP Mode, Bridge Mode, WISP Mode, Gateway Mode
CPE Management (AP/Bridge Mode)	Self-management function for bridges based on the proprietary GHCP protocol
Wireless Features	SSID Broadcast, Hidden SSID, Channel Selection, Encryption Method (NONE, WPA3-SAE, EAP), Max Client Limit (0-64), Virtual AP Support (2)
	Country Code, Client Isolation, DFS, Radio Mode (2×2 MIMO/SISO)
	MAC Access Control: Supports Blacklist/Whitelist Mode to restrict specific MAC addresses from accessing WiFi
	Scheduled Shutdown
	BSSID Lock, Auto-Restart Policy (Watchdog Mechanism)
Security Center	URL Filtering
	IP Address Filtering
	MAC Address Filtering
	Port Mapping
	DMZ
Network Features	IPv4/IPv6
	Port Settings
	Ping
	Traceroute
	LLDP Settings
	Cloud Platform
	Static DHCP: Binds MAC addresses to fixed IPs, supports 32 rules
	Remote Login, VPN (IPsec/PPTP/L2TP)
	Static Routing: Supports 16 routing rules
Device Management	Configuration Management
	Scheduled Reboot
	Firmware Upgrade

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	NTP 、Manual & Host Time Synchronization
	System Log, Remote Log
	HTTP、Telnet、SSH、SNMP
	Traffic Control Settings
	Time Group/IP Group Management
	DDNS Settings