WB5axH6-20 Product Specifications Document

Description:

WB5axH6-20 is a high-performance, high-speed industrial-grade long-range WiFi 6 wireless bridge, featuring extended transmission distance, strong penetration capability, and robust anti-interference performance, etc.

Features:

- Built-in 20dBi dual-polarized directional panel antenna, with a maximum transmission distance of 16 km.
- Metal base shell, IP67 protection, enhancing operation in harsh environments.
- Supports VLAN transparent transmission, with optional GPS and Bluetooth customization.

Hardware Specifications	
5GHz Frequency Band	5.150GHz ~ 5.850GHz
5GHz WiFi Protocol	802.11 a / n / ac / ax
Antenna	Built-in 20dBi directional panel antenna
Wireless Speed	5GHz band delivers up to 2402Mbps access rate，PTP actual measured throughput exceeds 900+ Mbps
Tx Power	<24±2dBm
Interface and Button	1×10/100/1000Mbps Self-adaptive WAN Port，Supports PoE 48V power supply 1×Gigabit SFP Port 1×10/100/1000Mbps Self-adaptive LAN Port Reset Button（hold 6-10 seconds to restore factory defaults）
Status Indicator	PWR：Power indicator (Green: Solid on when powered; Off when unpowered). SFP：Gigabit SFP port indicator (Green: Off when disconnected; Solid on when connected; Blinking during data transmission). WAN：Gigabit WAN port indicator (Green: Off when disconnected; Solid on when connected; Blinking during data transmission). LAN： Gigabit LAN port indicator (Green: Off when disconnected; Solid on when connected; Blinking during data transmission). WiFi：WiFi indicator (Green: Solid on when WiFi is enabled and connected; Blinking while searching; Off when disabled). L：Signal strength indicator (Green: Solid on if ≥ set threshold; Off if < threshold). M：Signal strength indicator (Green: Solid on if ≥ set threshold; Off if < threshold).

	H：Signal strength indicator (Green: Solid on if ≥ set threshold; Off if < threshold).
Power Supply	DC2.0 12V ⎓ 1.5A，PoE 802.3at
Power Consumption	＜ 10W
Product Dimensions	218mm×243mm×64mm
Net Weight	1.56kg
Work Environment	Working:-40℃ to 70℃ Storage: -40℃ to 70℃ Humidity：5%～95%（Non-Condensing）

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
	NTP 、Manual & Host Time Synchronization

ODM-focused wireless communications solutions manufacturer.

	System Log, Remote Log
	HTTP、Telnet、SSH、SNMP
	Traffic Control Settings
	Time Group/IP Group Management
	DDNS Settings