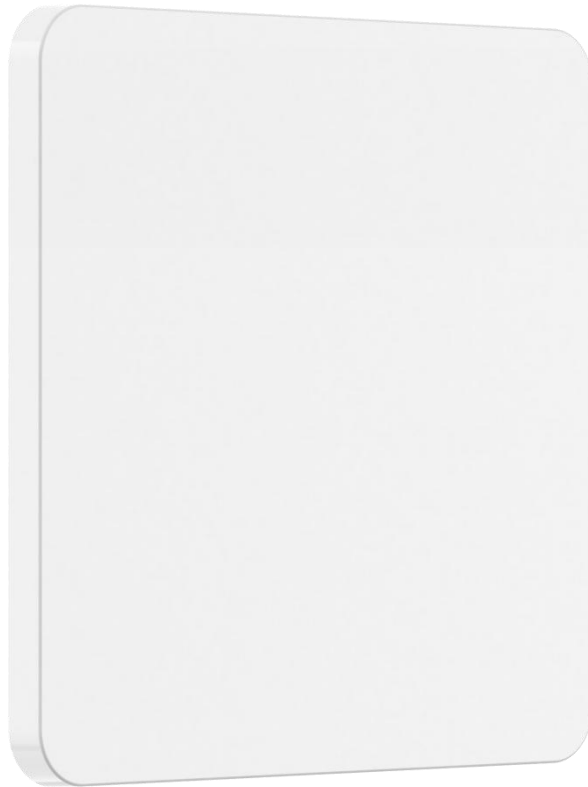


Product Specification

Model: WB56beH6-20SX2



1. Brand & Manufacturer Information

Brand: Neutral

Manufacturer: Yuncore

LOGO: Neutral

2. Model & Version

Model: WB56beH6-20SX2

Version: V1.0

3. Product Overview & Features

Product Overview

YUNCORE® WB56beH6-20SX2 is a high-performance, high-speed industrial-grade long-range WiFi 7 wireless bridge. It features dual-band 5GHz + 6GHz with Multi-Link Operation (MLO) for superior bandwidth experience.

Key Features

- 2×5G + 2×6G MLO, supporting up to 10G wireless throughput
- Built-in dual-band sector WiFi antennas, 20dBi high-gain sector antenna, 120° wide RF coverage, supporting up to 5km transmission distance
- Die-cast base housing with IP67 protection for harsh environment durability
- 802.3bt PoE supported; industrial-grade phoenix terminal 48V DC power supply with auto polarity reversal
- SFP+ fiber interface and 802.3af PoE output supported

- VLAN transparent transmission, 4K jumbo frames, and multicast acceleration supported
- Built-in GPS module + GPS antenna; Bluetooth customization available

4. Technical Specifications

Specifications	
Product Model	WB56beH6-20SX2
Antenna	Built-in 20dBi dual-band sector antenna Built-in GPS antenna
5GHz Frequency Band	5.150GHz ~ 5.850GHz
5GHz WiFi Protocol	802.11 a/n/ac/ax/be
6GHz Frequency Band	5.925GHz ~ 7.125GHz
6GHz WiFi Protocol	802.11 ax/be
Maximum Throughput	5GHz: up to 4323Mbps; 6GHz: up to 5764Mbps
Interface (WAN)	1× 100/1000/2500Mbps auto-negotiation WAN port, IEEE802.3bt input supported
Interface (LAN)	1× 100/1000/2500Mbps auto-negotiation LAN port, IEEE802.3af output supported
Interface (SFP+)	1× 10Gbps SFP+ port, backward compatible with 1Gbps
Interface (Console)	1× standard RS232 RJ45 port
External Button	Reset button (single-click for one-touch bridging; long press 6-10s for factory reset)
Power Supply	PoE 802.3bt; DC 2.0 phoenix terminal ±48V/1A
Maximum Power Consumption	≤ 25W (excluding PSE output)
Status LEDs	a) H (laser-etched): Peer signal strength, software-configurable threshold, solid on when above threshold b) L (laser-etched): Peer signal strength, software-configurable threshold, solid on when above threshold c) Radio (laser-etched): Solid on when any radio enabled d) LAN (laser-etched): 2.5Gbps port, solid on = link up, 1Hz blink = data activity e) WAN (laser-etched): 2.5Gbps port, solid on = link up, 1Hz blink = data activity f) SFP+ (laser-etched): 10G port, solid on = link up, 1Hz blink = data activity g) SYS (laser-etched): Solid on when powered, 1Hz blink during boot, solid on when ready

	h) M (laser-etched): Peer signal strength, software-configurable threshold, solid on when above threshold
Dimensions	385.6 × 377.6 × 73.5 mm
Weight	3.2 kg
Operating Environment	Operating temp: -40°C to 70°C; Storage temp: -40°C to 70°C; Humidity: 5%~95% (non-condensing)

5. Software Features

Status Display	Operating mode, network topology, signal strength, CPU/memory usage, real-time traffic, device description
	LAN info, wireless info, bridging info, WAN info (Gateway / WISP)
Operating Modes	AP mode, Bridge mode, WISP mode, Gateway mode
CPE Management (AP/Bridge Mode)	Self-management via proprietary GHCP protocol
Wireless Settings	MLO, SSID broadcast, hidden SSID, channel selection, encryption (NONE, WPA/WPA2-PSK-AES, WPA3-SAE) Max client limit (0-32), virtual AP (2), spectrum analyzer
	Country code, user isolation, Radio mode (2×2 MIMO / SISO)
	MAC access control: Blacklist/whitelist mode, MAC address filtering
	WiFi scheduled disable
	BSSID lock, auto-restart (watchdog)
Security Center	Website filtering
	IP address filtering
	MAC address filtering
	Port forwarding
	DMZ
Network Settings	IPv4/IPv6, DHCP, PPPoE, STP, Jumbo Frame, VLAN
	Port settings
	Ping watchdog
	Traceroute
	LLDP settings
	Cloud platform
	Static DHCP
	Remote login
	Static routing

Device Management	Configuration management
	Scheduled reboot
	Firmware upgrade
	NTP, manual and host time sync
	System log, remote log
	HTTP, Telnet, SSH, SNMP
	Traffic control
	Time group / IP group management
	PoE power switch
	Optical module info
	DDNS settings