

WB5F01 Product Specifications Document

Description:

YUNCORE® WB5F01 It is a cost-effective wireless bridge, particularly suitable for scenarios such as elevators and outdoor 2 km access. It features strong penetration capability, excellent anti-interference performance, and ensures stable system operation.

Features:

- Supports intelligent channel analysis and automatic optimal channel selection, with a maximum speed of 867Mbps.
- Equipped with a built-in 12dBi directional antenna, it supports wireless transmission within 2 km.
- The product supports universal repeater mode and AP mode, enabling broader user application scenarios.
- Supports one-key pairing.



Specifications	
5GHz Frequency Band	5.150GHz ~ 5.850GHz
5GHz WIFI Protocol	802.11 a / n / ac
Antenna	5GHz Panel directional antenna gain: 12dBi
Wireless Speed	867Mbps
2.4GHz Wireless power	< 20± 2dBm
Interface (WAN)	1/10/100M Self-adaptive WAN Port, Supports 24V non-standard PoE power supply
Interface (LAN)	1/10/100M Self-adaptive LAN Port
Power supply	PoE 24V, DC 12V
Max Power Consumption	< 5W
Reset 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
Product Dimensions	168×86×42.5mm
Net Weight	0.5kg

Work Environment	Working:-10°C to 55°C; Storage: -40°C to 70°C; Humidity: 5% ~ 95% (Non-Condensing)
IP-rated protection	IP65

Software Features	
Dashboard	Wireless AP download , Wireless AP upload rate, System uptime
	Device information (description, LAN status, WiFi configuration)
Operation Mode	AP Mode: Provides wireless coverage to client devices while connecting to upstream router via Ethernet for WAN access.
	Universal Repeater Mode: Establishes wireless connection to another AP while simultaneously providing wireless coverage to clients.
CPE Management	Self-management function of the bridge based on the private protocol GHCP
Wireless Features	SSIDQuantity: 4, Supports Chinese SSID and management SSID
	Hidden SSID capability
	Wireless encryption: OPEN、WPA/WPA2PSK-TKIPAES
	Wireless MAC address filtering: Supports whitelist (32 entries)
	Relay function
	Scheduled WiFi shutdown
	User isolation: Isolation between wireless networks and internal AP isolation
	Transmit power adjustment
	Wireless client limit, Supports a maximum of 64 users
	IGMP Snooping
	Multicast acceleration
Network Features	IPv4 Address: Supports static IP, GHCP, Obtaining the address from the gateway
	VLAN Settings
	Cong
	Cloud platform integration
Device Management	Configuration backup
	Configuration restore
	Factory reset
	System reboot (immediate or scheduled)
	Firmware upgrade
	Time management (display and NTP synchronization)