WB2-DT200 Product Specifications Document

Description:

YUNCORE® WB2-DT200 is a cost-effective dedicated wireless bridge for elevators, with an access distance of 300 meters, stable and reliable performance, and strong anti-interference capability to ensure stable system operation.

Features:

- Supports intelligent channel analysis and automatic optimal channel selection, with a maximum speed of 300Mbps.
- Built-in 6dBi directional antenna, enabling wireless transmission within 500 meters, specially designed for elevators.
- Supports one-key pairing.

Specifications	
Frequency Band	2.412 GHz ~ 2.484GHz
WiFi Protocol	802.11 b / g / n
Antenna	Built in 2.4GHz Panel directional antenna gain: 6dBi
Wireless Speed	300Mbps
Tx Power	< 21±2dBm
Interface (WAN)	1/10/100M WAN Port, Supports 12V non-standard PoE power supply
Interface (LAN)	1/10/100M LAN Port, Supports 12~24V non-standard PoE power supply (Supports custom 48V standard PoE)
Power supply	PoE 12~24V, DC 12V/0.5A
Power Consumption	< 4W
Reset Button	Hold 10 seconds to restore factory defaults, Press for 1 second to initiate pairing
Status indicator	Network Port Indicator: Embossed network symbol; green single light, on steady when LAN port is connected. Signal Indicator: Embossed signal symbol; green single light, on steady when connected to peer. Signal Indicator: Embossed signal symbol; green single light, on steady when peer signal strength exceeds -75dBm.

Dimensions	129mm×78mm×38mm
Net Weight	150g
Work Environment	Working:-30℃ to 55℃; Storage: -40℃ to 70℃; Humidity: 5% ~ 95% （Non-Condensing）
ESD	Contact discharge: ±6kV, Air discharge: ±8kV
Surge	Differential mode: 1kV, Common mode: 2kV

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)