

2.4G 300Mbps Outdoor CPE

Model: WB2F01



Description:

WB2F01 is a cost-effective wireless bridge, especially suitable for elevators, outdoor 1-kilometer access and other scenarios. It has strong penetrating ability and strong anti-interference ability to ensure the stable operation of the system.

Main Features:

- The built-in 8dBi directional antenna can meet wireless transmission within 1KM and can realize point-to-point and point-to-multipoint outdoor coverage and applications.
- Supports intelligent channel analysis and automatic optimal channel selection, with a maximum rate of 300Mbps.
- The product supports universal relay mode and AP mode, and the user application scenarios are more extensive.
- Supports both PoE power supply and DC 12V power supply.
- Support one-click pairing.

Hardware Specification:

Model	WB2F01				
CPU	MT7628DAN				
Flash	8M				
DDR2	64M				
2.4G frequency	2.412 GHz ~ 2.484GHz				
2.4G WIFI protocol	802.11 b / g / n				
Antenna	2.4G directional panel antenna, gain: 8dBi				
Max Rate	300Mbps				
2.4G TX Power	802.11b	11M	19±2dBm	1M	20±2dBm
	802.11g	54M	17±2dBm	6M	19±2dBm
	802.11n HT20	MCS7	16±2dBm	MCS0	18±2dBm
	802.11n HT40	MCS7	16±2dBm	MCS0	18±2dBm
2.4G Receiving Sensitivity	802.11b	11M	-85dBm	1M	-94dBm
	802.11g	54M	-73dBm	6M	-90dBm
	802.11n HT20	MCS7	-71dBm	MCS0	-89dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
2.4G EVM	802.11b: ≤-10 dB ; 802.11g: ≤-25 dB ; 802.11n: ≤-28dB				

ppm	±20ppm
WAN	1*10/100M WAN, support 24V passive POE
LAN	1*10/100M LAN
Power	PoE 24V, DC 12V
Max Power Consumption	<3W
Reset	Long press for 10 seconds to restore the factory default configuration, and short press for 1 second to initiate pairing
Switch button	Choose AP/ Repeater working mode
Indicators	SYS, WAN, LAN, 5G WIFI, signal*4
Dimension	168mm*86mm*39mm
Weight	0.5kg
Temperature	Working: -20°C to 55°C; Storage: -40°C to 70°C; Humidity: 5% ~ 95% (Non-Condensing)
IP Grade	IP65
ESD	Air:±8K, Touch:±6K
Electrical Surge	Common Mode: 2K, Differential Mode: 1K

Firmware Specification

Working Mode	AP: The device covers other clients and devices with wireless network signals, and connects to other routers using Ethernet to access the WAN
	Repeater: The device connects to other wireless AP devices through wireless signals, and covers other clients and devices with its wireless network signals
Wireless features	SSID: 4
	Hide SSID
	Wireless Encryption: OPEN、WPA、WPA2、WPA-PSK、WPA2-PSK
	MAC filter: support whitelist(32)
	Relay Function
	WiFi timing off function
	User isolation: wireless network isolation, AP internal isolation
	RF Power adjustable
Limited number of wireless clients, supporting a maximum of 64 users	
Network	VLAN config

features	DHCP server
	Cloud server
Device management	Backup configuration information
	Restore configuration information
	Restore factory settings
	Restart includes scheduled restart and immediate restart
	Firmware upgrade
	Time management includes system display time and time synchronization
	System logs

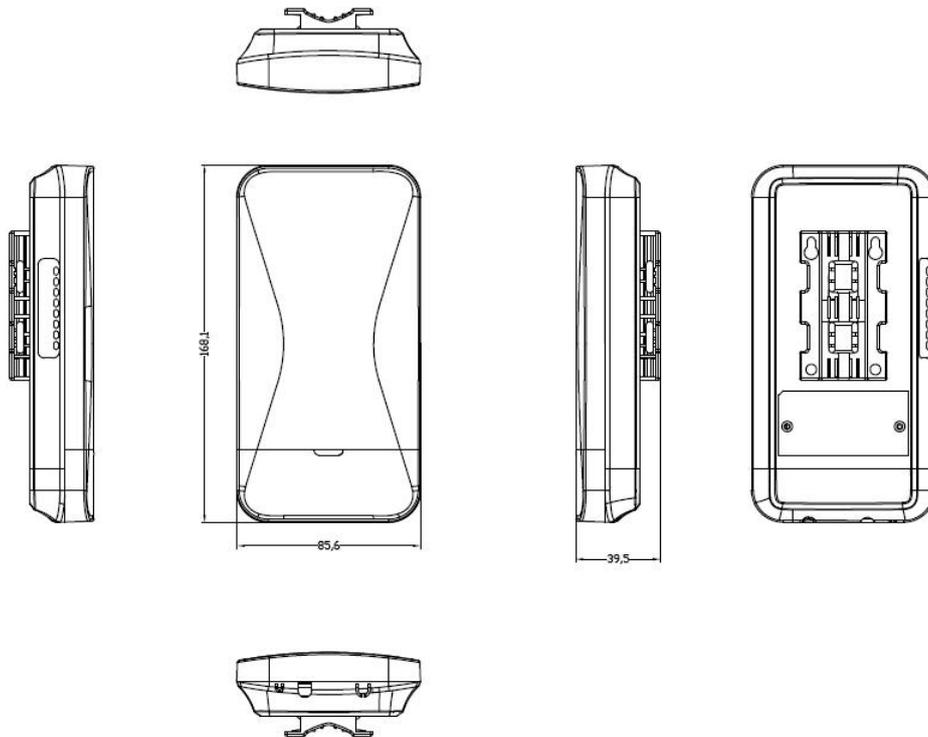
Antenna Specification

Frequency Range	2400 ~2483.5 MHz
Impedance	50 Ohms nominal
Gain	8dBi
Radiation	Directional
Polarization	Vertical/horizontal dual polarization
Horizontal Beamwidth	Vertical Beamwidth

Interface:



Dimension:



Accessory

CPE	1
PoE adapter	1
Nylon tie	2
Guide manual	1
Gift Box	1