

## 5.8G 900Mbps Outdoor CPE

Model: WB5G08



## Description:

WB5G08 is a high-performance, high-speed outdoor long-distance wireless bridge. It has the characteristics of long transmission distance, strong penetration ability, and strong anti-interference ability.

## Main Features:

- Built-in 18dBi directional antenna, which can meet wireless transmission within 8KM, and can realize point-to-point and point-to-multipoint outdoor coverage and applications.
- Supports 12V PoE and DC 12V power supply at the same time. IEEE802.3af standard 48V PoE version can be customized.
- Supports intelligent channel analysis and automatic optimal channel selection, with a maximum rate of 867Mbps.
- The product supports universal relay mode and AP mode, and the user application scenarios are more extensive.
- Support one-click pairing.

## Hardware Specification:

Model	WB5G03				
CPU	QCA9563+QCA9886+QCA8334				
Flash	16M				
DDR2	128M				
2.4G frequency	5.150GHz ~ 5.850GHz				
2.4G WIFI protocol	802.11 a / n /ac				
Antenna	5.8G directional panel antenna, gain: 15dBi				
Max Rate	867Mbps				
5G TX Power	802.11 a	54M	22 ± 2dBm	6M	25 ± 2dBm
	802.11n HT20	MCS7	22 ± 2dBm	MCS0	25 ± 2dBm
	802.11n HT40	MCS7	22 ± 2dBm	MCS0	25 ± 2dBm
	802.11ac VHT20	MCS9	20 ± 2dBm	MCS0	23 ± 2dBm
	802.11ac	MCS9	20 ± 2dBm	MCS0	23 ± 2dBm

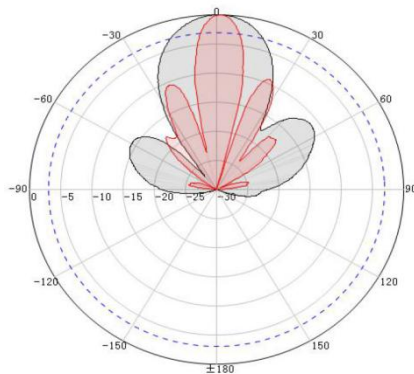
	VHT40				
	802.11ac VHT80	MCS9	19±2dBm	MCS0	22±2dBm
5G Receiving Sensitivity	802.11a	54M	-73dBm	6M	-90dBm
	802.11n HT20	MCS7	-72dBm	MCS0	-90dBm
	802.11n HT40	MCS7	-69dBm	MCS0	-87dBm
	802.11ac VHT20	MCS9	-67dBm	MCS0	-90dBm
	802.11ac VHT40	MCS9	-62dBm	MCS0	-87dBm
	802.11ac VHT80	MCS9	-59dBm	MCS0	-84dBm
5G EVM	802.11a_54M: ≤-25 dB; 802.11n_MCS7: ≤-28 dB; 802.11AC_MCS9:≤-32dB				
ppm	±20ppm				
WAN	1*10/1000M WAN, support 24V passive POE				
LAN	1*10/1000M LAN				
Power	PoE 24V 1A, DC 12V 1A				
Max Power Consumption	< 10W				
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*42.5mm				
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

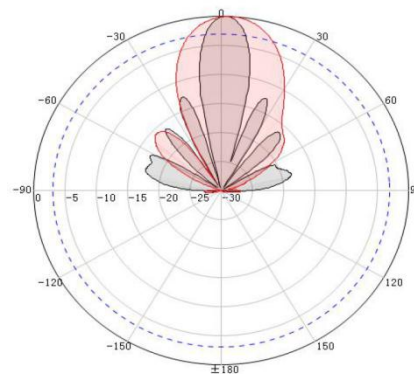
Working Mode	AP: The device covers other clients and devices with wireless network signals, and connects to other routers using Ethernet to access the WAN
	Repeater: The device connects to other wireless AP devices through wireless signals, and covers other clients and devices with its wireless network 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 features	VLAN config
	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

**Horizontal polarization**



**Vertical polarization**



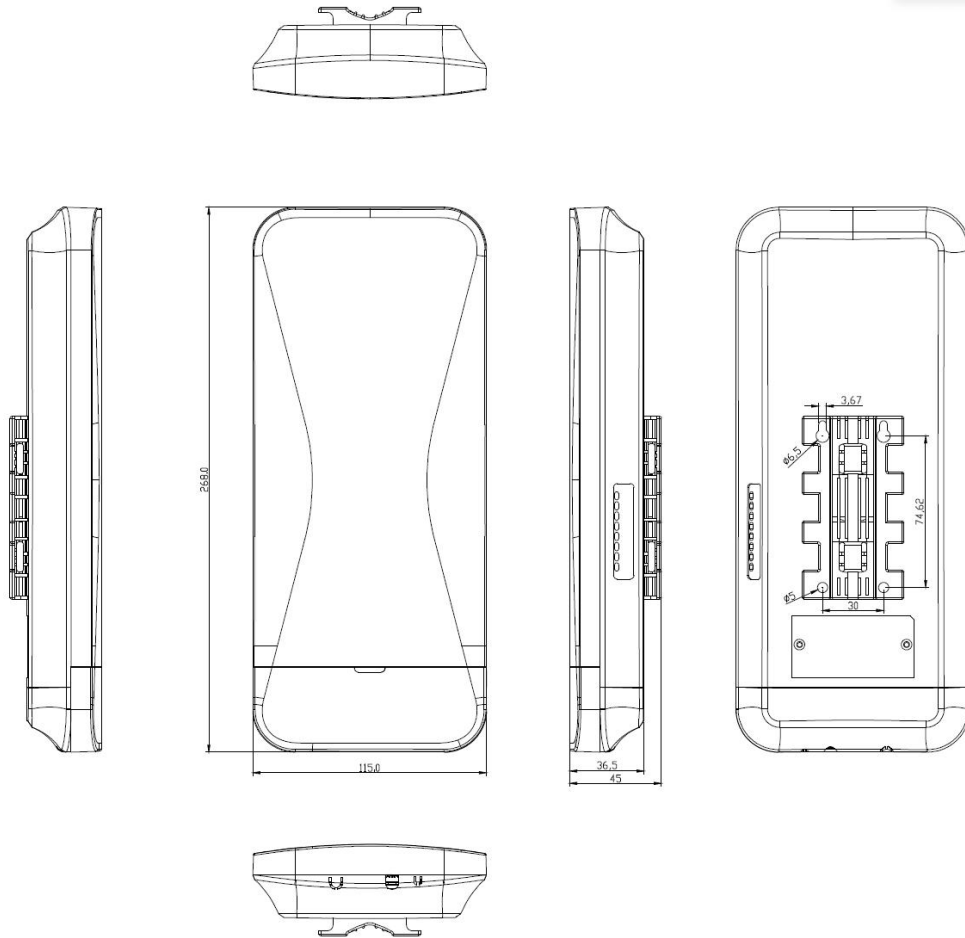
Built in Antenna

Working frequency	5150 ~5850 MHz
Gain	18 dBi
Polarization mode	Vertical/horizontal dual polarization
Horizontal beam angle	30 °
Vertical beam angle	15 °

### Interface:



### Dimension:



## Accessory

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