

## Outdoor Wireless 11ac Device

Model: WB5acDish-Pro



## Short Specification

WB5acDish-Pro is a high-performance, high-speed outdoor long-distance wireless bridge with characteristics such as long transmission distance, strong penetration ability, and strong anti-interference ability.

## Product Highlight:

- Support non-standard frequency points, spread spectrum to 4.9-6.1GHz.
- Integrated 25dBi dual polarization dish antenna, up to 20 kilometers.
- TDMA Intelligent Dynamic Polling Protocol
- Support 5, 10MHz narrowband operating bandwidth
- Supporting IPv6, ATPC, VLAN

## Hardware Specification

Model	WB5acDish-Pro				
CPU	QCA9563+QCA9882+QCA8334				
Flash	SPI NOR 16MB				
DDR2	64MB				
5G Band	5.150GHz~5.850GHz				
5G WIFI Protocol	802.11 a / n /ac				
Maximum rate	900Mbps				
Antenna	Integrated 25dBi dual polarization dish antenna				
5G Tx power	802.11a	54M	23±2dBm	6M	26±2dBm
	802.11n HT20	MCS7	22±2dBm	MCS0	26±2dBm
	802.11n	MCS7	22±2dBm	MCS0	26±2dBm

	HT40				
	802.11ac VHT20	MCS9	21 ± 2dBm	MCS0	26 ± 2dBm
5G Receiving sensitivity	802.11ac VHT40	MCS9	21 ± 2dBm	MCS0	26 ± 2dBm
	802.11ac VHT80	MCS9	21 ± 2dBm	MCS0	26 ± 2dBm
	802.11a	54M	-75dBm	6M	-92dBm
	802.11n HT20	MCS7	-72dBm	MCS0	-90dBm
5G EVM	802.11a_54M: ≤ -25 dB; 802.11n_MCS7: ≤ -28 dB; 802.11AC_MCS9: ≤ -32dB				
frequency deviation (ppm)	±20ppm				
Port (WAN)	1*10/100/1000M WAN, support 48V POE				
Port (LAN)	1*10/100/1000M LAN				
Supply	802.3af, DC 12~24V				
Consumption	<10W				
Reset Button	Long press for 6-10 seconds to restore factory default configuration				
LED	SYS, WAN, LAN, 5G WIFI, signal*4				
Size	Φ466mm*260mm				
Weight	2.9KG				
Environment	Operating temperature: -40°C to 70°C Storage temperature: -40°C to 70°C; humidity: 5% ~ 95% (No condensation)				
IP grade	IP65				
ESD	Air +/-8K, Contact +/-6K				
Surge protection	Common-Mode: 4K, Differential-Mode: 2K				

## Firmware Specification

Working mode	Access Point (Automatic WDS), Access Point (TDMA3), Site (WDS/TDMA3), Site (ARPNAT)
Wireless	Intelligent dynamic polling, automatic channel selection, automatic modulation mode selection, automatic transmission power control (ATPC)

Wireless Safety	WPA/WPA2 personal encryption, WPA/WPA2 enterprise encryption, WACL, user isolation
Wireless QoS	TDMA implements 4 queue priority
Network mode	IPv4 IPv6
VLAN	Support VLAN and VLAN transparent transmission
WAN protocol	Static IP, DHCP client
Service	DHCP service, SNMP service, NTP client, route tracking, ping watchdog
Management	HTTP(S) GUI, SSH, SNMP read, WNMS, Telnet
Built Tool	Site survey, connection testing, antenna calibration

## Antenna Specification

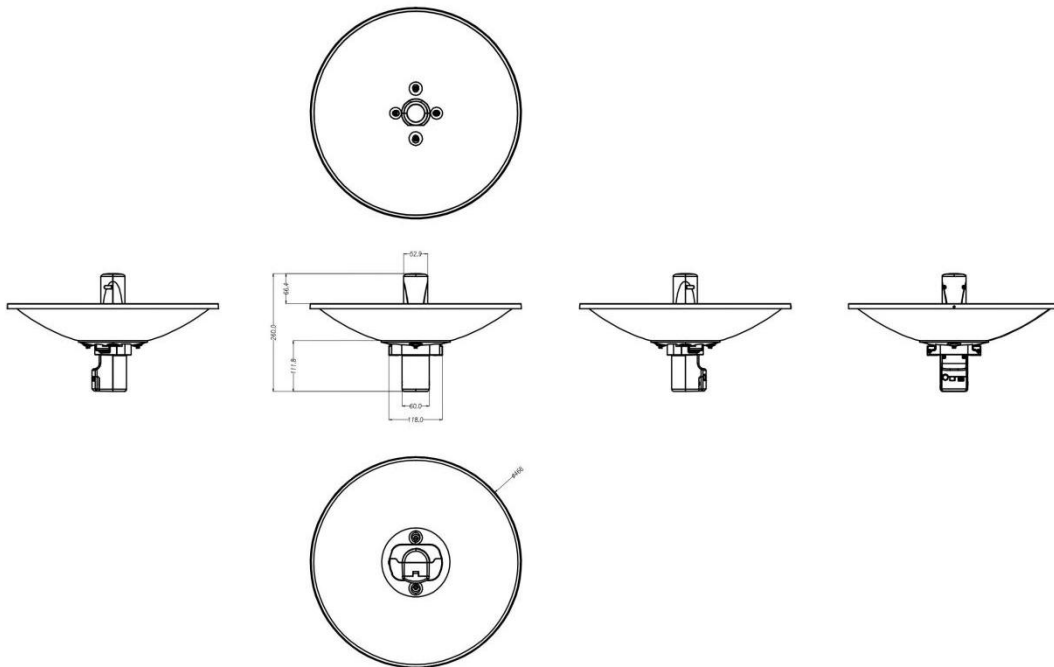


Internal antenna	
Frequency range	5180 ~5850 MHz
Gain	25 dBi
Polarization	Dual linear
Cross-pol Isolation	30 dB
VSWR	<1.8
Azimuth beamwidth(H pol)	6 °
Azimuth beamwidth(V pol)	6 °

## Interface



## Dimension



## Packing List

CPE	1
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Dish antenna	1
PoE adapter	1
Rack kit	1
Gift Box	1