

## 30KM 900Mbps PTP PtMP Wireless Bridge

Model: WB5acDish-Pro

**900Mbps Outdoor Wifi CPE**

**UP TO 30KM**

5.8GHz 900Mbps WiFi CPE  
Built in 25dBi Antenna

900Mbps

5G  
Working Frequency

25KM  
Transmission Distance

Support IPv6

PoE/ DC  
Power Supply

25dBi

TDMA3

GE Port

Built-in  
Lightning Protection

3  
Years  
Warranty

## Description:

WB5acDish-Pro is a high-performance, high-speed outdoor long-distance wireless bridge designed for point-to-point (PTP) and point-to-multipoint (PtMP) transmission scenarios. The device integrates a 25dBi dual-polarized dish antenna and supports long-range wireless transmission up to 30KM (recommended stable transmission distance up to 25KM). It features strong penetration capability, high anti-interference performance, and stable Gigabit Ethernet connectivity.

## Main Features:

- Integrated 25dBi Dual-Polarized Dish Antenna
- Transmission distance up to 25–30KM
- 5GHz operating frequency (5.150GHz–5.850GHz)
- Supports 5/10MHz narrow bandwidth
- Maximum wireless rate up to 900Mbps
- TDMA intelligent dynamic polling protocol
- Automatic transmit power control (ATPC)
- Supports VLAN & VLAN passthrough
- IPv4 / IPv6 bridging
- IEEE 802.3af 48V PoE support
- IP67 waterproof outdoor design
  
- Lightning & surge protection

## 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 HT40	MCS7	22 ± 2dBm	MCS0	26 ± 2dBm
	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	55*55*16cm/5.8KG				

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

## Interface:



what's in the box

