



# PTP/PTMP 867Mbps 5KM Wireless Bridge

**GP-AB950-5 Series**



INDUSTRIAL NETWORK SOLUTION SPECIALIST  
[WWW.GPSENKE.COM](http://WWW.GPSENKE.COM)



# Introduction

GP-AB950-5 Series is a high-performance 5.8GHz outdoor wireless bridge with 802.11a/n/ac standards, it offers a data transfer rate of up to 867Mbps. It features a built-in high-gain directional antenna, enabling long-distance wireless connectivity of up to 5 KM through wireless WDS connection method. With an IP67 protection rating, the device support dust-proof, water-proof, lightning-proof which is designed to operate reliably in harsh outdoor environments.

GP-AB950-5 supports PoE power, remote web reset, and easy web configuration. With high-performance chips and optimized algorithms, it offers strong anti-interference, high bandwidth, and stability. Key features include multiple SSIDs, client limits, VLAN, QoS, WDS, and advanced RF settings.

GP-AB950-5 is designed for rugged industrial environments, ideal for applications in coal mines, oil fields, power plants, telecommunications, and monitoring systems. It ensures reliable long-distance video transmission and wireless connectivity, making it perfect for scenarios requiring extensive coverage and stable performance.

## Main Feature

- Support 802.11 a / n / ac Standard
- Support 5.8G Single-Band with 867Mbps Speed
- Support up to 5km wifi transmit distance
- Support PTP/PTMP/Relay Mode
- Support Intelligent QoS wireless multimedia optimization technology
- Support Gigabit RJ45 Ethernet
- Support IEEE 802.3 at PoE24V /DC12V Power Supply
- Support 20dBi Build-in Directional Antenna
- Support Diversified Access Authentication Methods
- Support IP67 Protection-Level

## Technical Parameter

Model	GP-AB950-5
CPU	QCA9563+QCA9882+QCA8334
Flash	16MB
DDR	128MB
PA_5.8G	SE5023L
MAX Transmit Power	867Mbps
MAX Transmit Distance	5KM
5.8G Working Protocol	802.11 a/n/ac
5.8G Working Band	5.150GHz~5.840GHz
5.8G Wireless Consumption	802.11a:54M/24±2dBm/6M/27±2dBm 802.11n HT20/MCS7/23±2dBm/MCS0/26±2dBm 802.11n HT40/MCS7/22±2dBm/MCS0/25±2dBm 802.11ac HT80/MCS9/21±2dBm/MCS0/24±2dBm 802.11a/54M/-72dBm/6M-90dBm
5.8G Receiving sensitivity	802.11n HT20/MCS7/-70dBm/MCS0 /-88dBm 802.11n HT40/MCS7/-68dBm/MCS0 /-86dBm 802.11ac HT80/MCS9/-58dBm/MCS0 /-85dBm
5.8G EVM	802.11a: ≤-25 dB; 802.11n: ≤-28 dB;
PPM	802.11ac: ≤-32 dB±20ppm

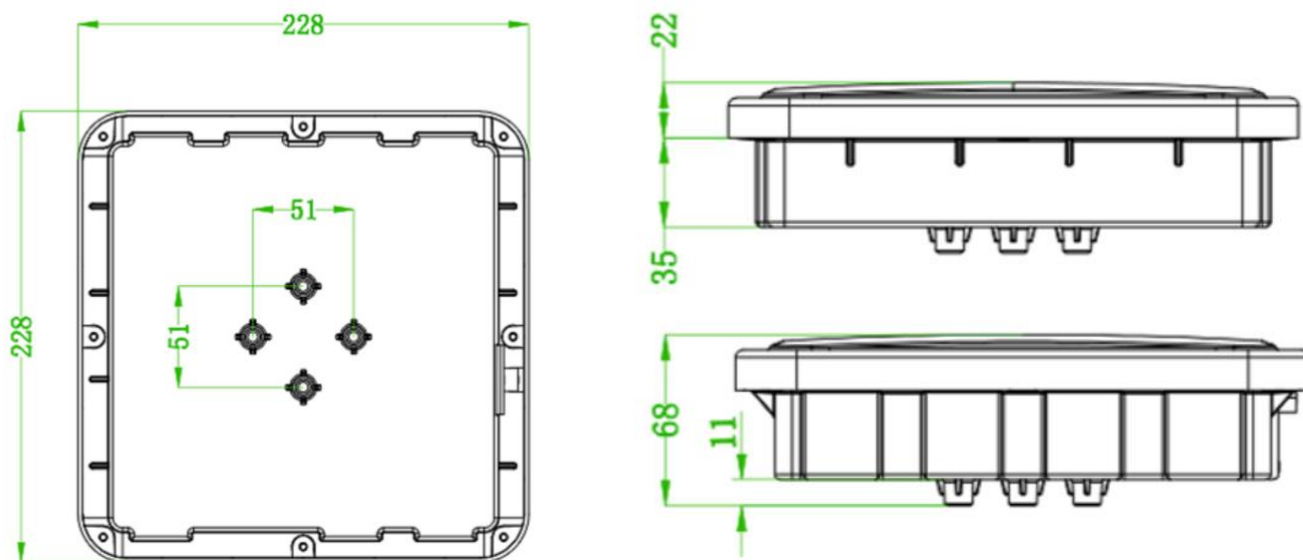
## Hardware Parameter

Size	228mm×228mm×68mm
Weight	3.19kg
Antenna	Build-in 5.8G 20dBi High-Gain Directional Antenna
Port	1×10/100/1000Base-T RJ45 Port(PoE)
Operating Temperature	-40°C ~ 75°C
Storage Temperature	-40°C ~ 85°C
Operating Humidity	0%~95%( Non-condensing)
IP Protection Level	IP67
Power Supply	Support 802.3at / DC12V Power Supply
Consumption(Client5.8G)	≤16W

## Software Parameter

<b>Working Mode</b>	Universal Repeater, Gateway Mode, Wireless ISP Mode, Super WDS
<b>Wireless Function</b>	Bridge Mode, Router Mode, Wireless Encryption, Wireless MAC Address Filtering, WiFi Scheduled Shutdown, Multicast Acceleration, User Isolation, Transmit Power Setting, Wireless Client Limit.
<b>Web Function</b>	VLAN Setup, DHCP Server, Cloud Server
<b>Management</b>	Backup Configuration, Restore Configuration, Restore Factory Settings, Reboot (including Scheduled Reboot and Immediate Reboot), Firmware Upgrade, Time Management (including System Time Display and Time Synchronization), System Log, Support for Local Unified Management.

## Product Design



## Appearance & Accessories



PWR

LAN/WAN Adaptive  
Support PoE24V Power Supply


Packing\*1



Device\*1



Accessories\*1



Manual\*1

## Model Selection

Model	GP-AB950-5	GP-AB950-10-D
Speed	867M	
Distance	5KM	10KM
Antenna Design	20dBi Build-in Antenna	23dBi Build-in Antenna

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Update Time: 2024.9.1

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