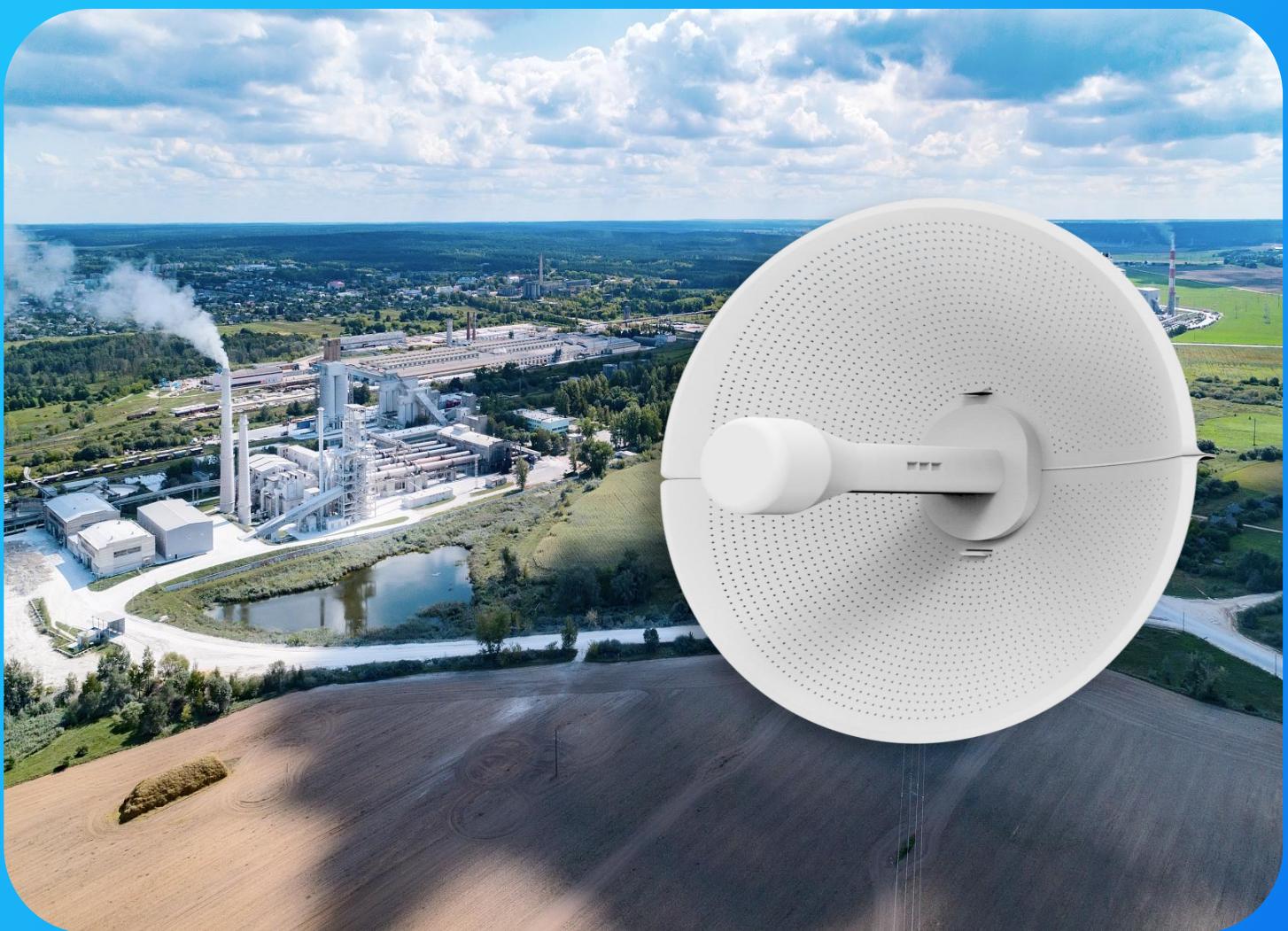




PTP/PTMP 867Mbps 10KM Wireless Bridge

GP-AB950-10-P Series



INDUSTRIAL NETWORK SOLUTION SPECIALIST
WWW.GPSENKE.COM



Introduction

GP-AB950-10-P Series is a high-performance 5.8GHz outdoor wireless bridge that 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 10 KM through wireless WDS connection method. With an IP66 protection rating, this device is designed to operate reliably in harsh outdoor environments.

GP-AB950-10-P supports multiple operation modes, including gateway mode, bridge mode, relay mode. It is compatible with 802.11a/n/ac standards, catering to diverse network requirements.

GP-AB950-10-P 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 10km wifi transmit distance
- Support PTP/PTMP
- Support Wireless Bridge&Router Mode
- Support Intelligent QoS wireless multimedia optimization technology
- Support 100Mbps RJ45 Ethernet
- Support IEEE 802.3 at PoE Power Supply
- Support Diversified Access Authentication Methods
- Support IP66 Protection-Level

Hardware Parameter

Size		372mm×241mm
Weight		0.9kg
Port	Ethernet	1 × 10/100/1000Base-T RJ45 Port(PoE)
Antenna	Gain	23dBi
	Beam width	Horizontal: 10° Vertical: 10
MAX Transmit Power		27dBm
Adjustable Granularity		1dBm
Operating Temperature		-40°C ~ 75°C
Storage Temperature		-40°C ~ 85°C
Operating Humidity		5%~95%(Non-condensing)
IP Protection Level		IP66
Power Supply		Support 802.3at Power Supply
Consumption(Client5.8G)		≤15W
IP Protection Level		>250000H

Software Parameter

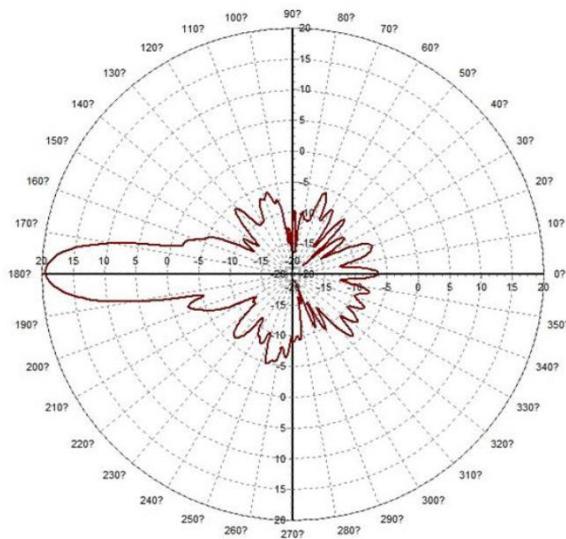
Protocol	802.11 a/n/ac
Frequency	5180~5320MHz、5745~5825MHz (CHINA) 5180~5320MHz、5500~5720MHz、5745~5825MHz (United State) 5160~5340MHz、5480~5720MHz、5745~5865MHz (India) 5160~5340MHz、5480~5720MHz、5745~5825MHz (UAE) 5745~5805MHz (Indonesia) Frequency Range: 4920~6060MHz (Please comply with local laws and regulations) * The above frequencies need to be supported by specific versions
Working Mode	Access Point, Client, WDS Access, WDS Client
Security	WPA2-PSK, Hidden SSID, IP/MAC filter
Network Mode	Bridge/Router
Management	Support Website /AC/SNMP deploy
VTrans	TDMA+: Maximizes efficiency by eliminating hidden terminal issues. Frequency Expansion: Reduces interference with more frequency options. Channel Width Selection: Minimizes interference by adjusting channel width. AutoAck: Optimizes performance for long distances with smart ACK calculations
Others	Scheduled restart, support VLAN, QoS, Watchdog

RF Parameter

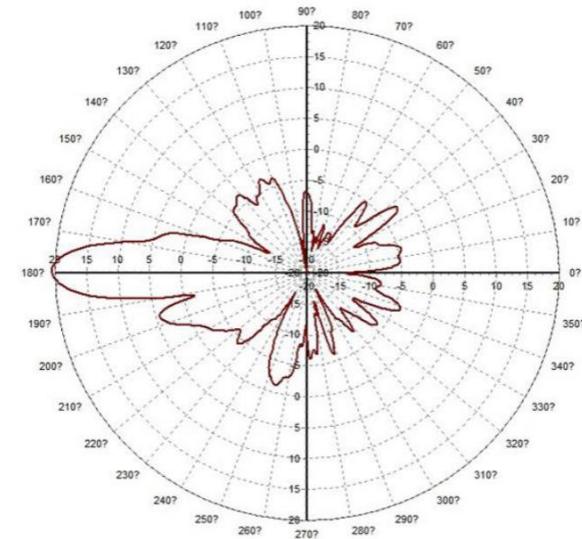
	Transmit power			Receiving sensitivity		
	Rate	Power	Tolerance	Rate	Sensitivity	Tolerance
11 a/n	6 Mbps	24dBm	+/- 2dBm	6 Mbps	-91dBm	+/- 2dBm
	54 Mbps	22dBm	+/- 2dBm	54 Mbps	-73dBm	+/- 2dBm
	HT20 MCS0 (Merge)	27dBm	+/- 2dBm	HT20 MCS0	-91dBm	+/- 2dBm
	HT20 MCS7(Merge)	24dBm	+/- 2dBm	HT20 MCS7	-70dBm	+/- 2dBm
	HT40 MCS0(Merge)	27dBm	+/- 2dBm	HT40 MCS0	-88dBm	+/- 2dBm
	HT40 MCS7(Merge)	24dBm	+/- 2dBm	HT40 MCS7	-68dBm	+/- 2dBm
11ac	HT20 MCS0(Merge)	27dBm	+/- 2dBm	HT20 MCS0	-91dBm	+/- 2dBm
	HT20 MCS8(Merge)	23dBm	+/- 2dBm	HT20 MCS8	-67dBm	+/- 2dBm
	HT40 MCS0(Merge)	27dBm	+/- 2dBm	HT40 MCS0	-87dBm	+/- 2dBm
	HT40 MCS9(Merge)	23dBm	+/- 2dBm	HT40 MCS9	-64dBm	+/- 2dBm
	HT80 MCS0(Merge)	27dBm	+/- 2dBm	HT80 MCS0	-85dBm	+/- 2dBm
	HT80 MCS9(Merge)	23dBm	+/- 2dBm	HT80 MCS9	-60dBm	+/- 2dBm

* The combined power in the above table is the single-channel power tested +3dB

RF Direction

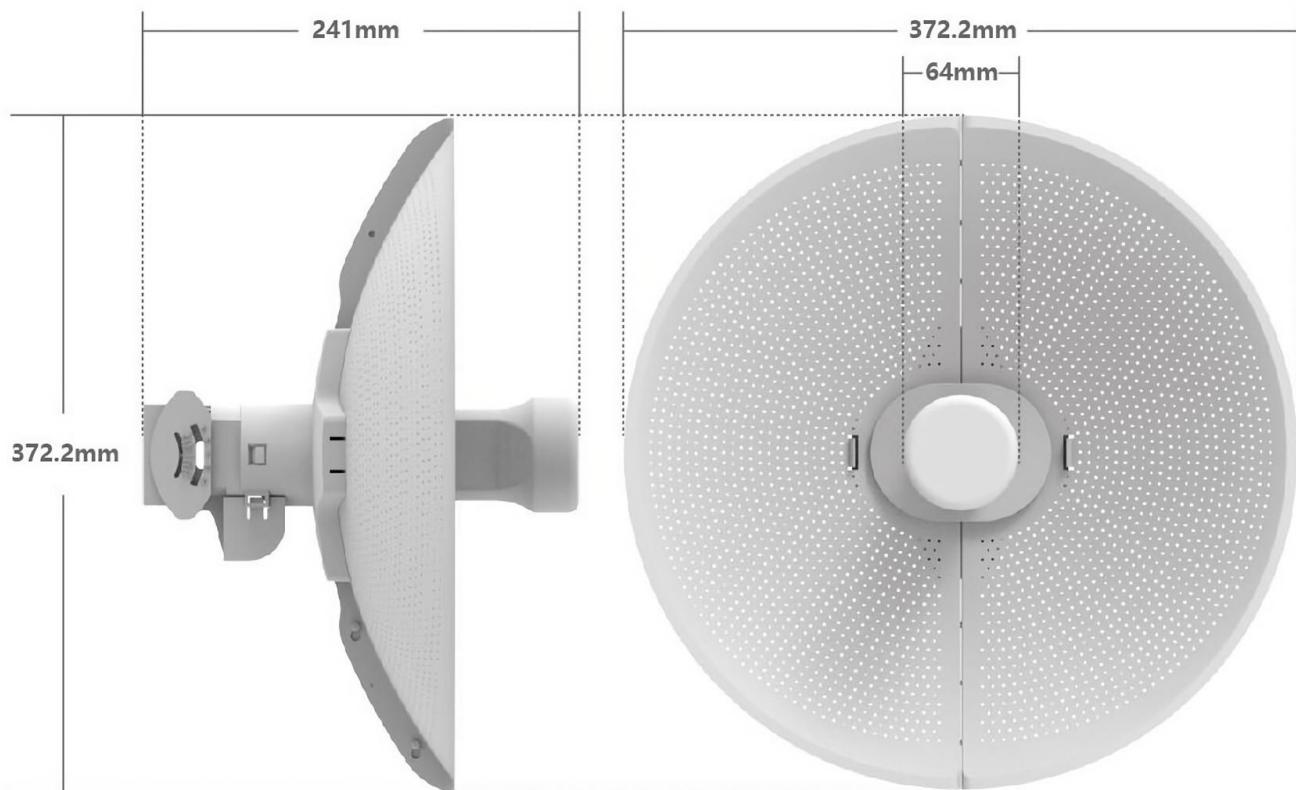


Horizontal



Vertical

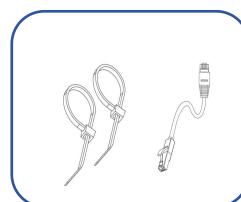
Appearance & Accessories



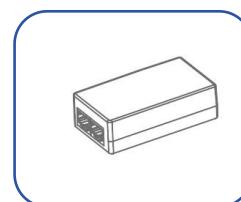
Packing *1



Device*1



Accessories*1



PoE Adapter*1



Manual*1

Model Selection

Model	GP-AB950-10-P	GP-AB950-10-D
Speed		867M
Design	Parabolic Integration	Build-in Antenna Bridge

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