



Accurate
positioning

22°43'59.57617"N 114°03'03.61546"E



P9

4G Portable Personal Locator



Shenzhen Jumpstar Technology Co.,Ltd

Email : info@jumpstar-tech.com

Tel : (86) 0755-23732282

Fax : (86) 0755-23732823

Add : Room 1305, Building A, Lechuanghui Building,
1211 Guangguan Road, Longhua District, Shenzhen

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Revision History

Version	Revision Date	Revised By	Changes
V1.0	2025.2.18	Chen Xian	Initial Release
V1.1	2025.3.24	Chen Xian	Charging interface, battery capacity modification

1. Product Introduction

Model P9 is a compact, high-precision remote positioning device integrating GPS and GSM/GPRS modules. It provides real-time location data under dynamic conditions via satellite positioning. Designed for personal tracking, children, elderly and individuals safeguarding; also suitable for asset tracking and pet tracking through remote monitoring.

2. Product Features

GSM /GPRS modem	Mini Size
One button SOS	Low Power Consumption
Alarm & remote listening	Call support (up to 3 contacts)
SMS-based configuration	Real-time location queries

3. Technical Specifications

Category	Parameter	Description
Frequency Bands	4G	B1/ 3/ 5/ 7/ 8/ 20/ 28
Electrical	Built-in Battery	600mAh
	Charging Port	Micro
	Charging Voltage	DC 5V、 330mah/hours
	Operating Voltage	3.4V-4.3V
	Operating Current	--
	Standby Time	--
Mechanical	Operating Temperature	-10~60°C
	Storage Temperature	-20~60°C

	Operating Humidity	10%~85%RH, (non-condensing)
	IP Rating	IP65 waterproof
	Dimension	43mm×43mm×12mm
	Weight	25g
	Material	PC+ABS
Others	Explosion-Proof	Can cooperate with customers for explosion-proof certification
GNSS	Supported GNSS and Frequency	GPS/QZSS L1C/A
		SBAS EGNOS, GAGAN, MSAS and WAAS
		GLONASS L1OF
	Positioning Accuracy	5m(single-point)
	Velocity Accuracy	500 m/s
	Time to First Fix (TTFF)	Cold Start: ≤60s
		Hot Start: ≤30s
		Re acquisition: ≤30s
	Channels	72 capture channels
		32 tracking channels
	Sensitivity	Tracking: -166dBm
		Acquisition: -160dBm
	Update Rate	1HZ
	Baud rate	9,600 -- 460800 bps (Default 38400 bps)
	Data Format	NMEA 0183

4. Key Functions

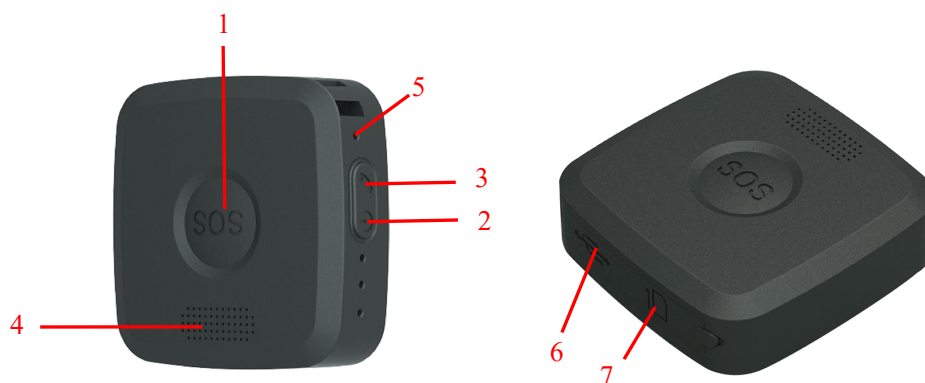
Category	Function	Description	Status
Protocol	Enterprise Protocol	Supports real-time data transmission to designated platforms for remote monitoring.	✓
	Dialing	Supports calling up to 3 pre-stored contacts.	✓
	Remote SMS Configuration	Adjust device parameters via SMS without internet	✓
	SOS Alarm	One-touch SOS alert to platform.	✓
	Working Mode	Toggle between sleep/active modes.	✓
	Remote Upgrade	Supports over-the-air firmware updates.	✓
	Offline Storage	Saves data locally during network outages; auto-sync upon reconnection.	Under Development
	Dual IP Support	Simultaneously sends JT/T808 data to two IP addresses.	Under Development

5. LED Indicator Definitions



No.	LED Indicator	Color	Status	LED Behavior
1	GPS Indicator	Blue	GPS Locked	1 flash/sec
			GPS Unlocked	Steady On
2	Power Indicator	Red	Low Battery	1 flash/sec
			Charging	3 flashes/sec
			Fully Charged	Steady On
3	Network Indicator	Green	GSM Activated	1 flash/sec
			GPRS Data Uploading	4 flashes/sec
			GSM Initializing	Steady On

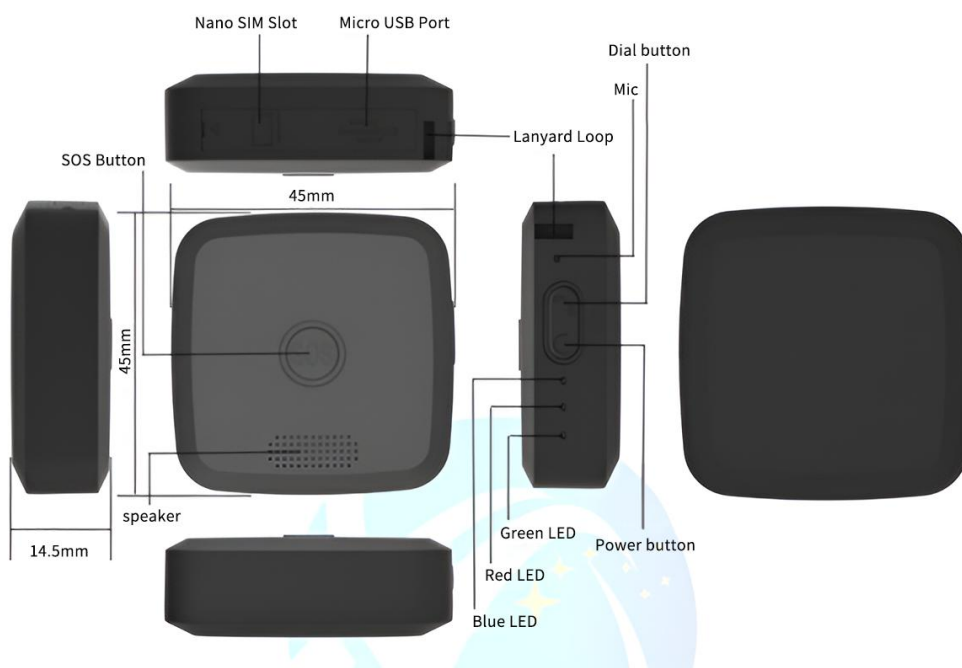
6. External Interfaces



No.	Button Function	Action	Status
1	Incoming call	Short Press: Answer	✓
	Outgoing call	Long Press (3s): Dial	✓
2	Power On	Long Press (3s)	✓
	Power Off	Long Press (3s)	✓
3	Hang Up	Short Press: End Call	✓

No.	Port	Function	Status
4	Speaker	Voice broadcast	✓
6	Micro USB	Charging	✓
7	Sim Card Slot	4G Connectivity	✓

7. Dimension & Appearance



8.Packing List

No.	Item	Qty	Unit	Remarks
1	P9 Tracker	1	pcs	Standard
2	Charging Cable	1	pcs	Standard
3	Lanyard	1	pcs	Optional
4	Manual (Warranty)	1	pcs	E-copy
5	IoT SIM Card	1	pcs	Optional
6	Charger	1	pcs	Optional