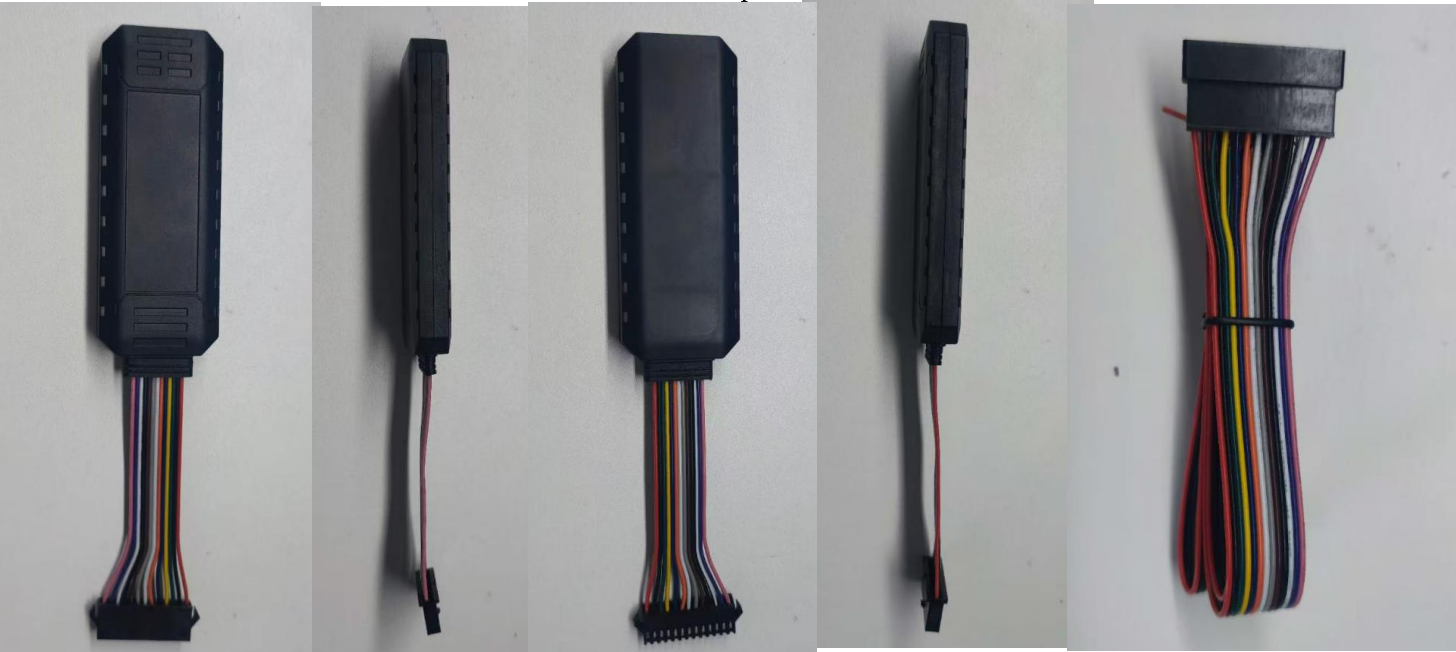


GL403 Product Specification

	description	
Product Display		
Physical specification	Overall dimensions	210*41.5*15mm
	Total weight	
communication	4G module	EG915U
	4G antenna	Built-in bracket antenna
	LA band	LTE-FDD: B2/B3/B4/B5/B7/B8/B28/B66 GSM:850/900/1800/1900 MHz
	transmit power	● GSM850/EGSM900: Class 4 (33 dBm $\pm$2 dB) ● DCS1800/PCS1900: Class 1 (30 dBm $\pm$2 dB) ● LTE-FDD: Class 3 (23 dBm $\pm$2 dB)

	LTE features	● Supports up to Cat 1 FDD ● Supports 1.4/3/5/10/15/20 MHz RF bandwidth ● Supports upstream QPSK and 16QAM ● Supports downstream QPSK, 16QAM, and 64QAM ● LTE-FDD: Maximum downlink rate of 10 Mbps, maximum uplink rate of 5 Mbps
GNSS	chip	ZhongkeweiAT6558R
	antenna	Built-in ceramic antenna
	signal reception	Support parallel reception and joint positioning of BDS/GPS/GLONASS
	Cold start TTFF	≤32s
	Hot start TTFF	≤1s
	Reacquire TTFF	≤1s
	sensitivity	"Cold start acquisition sensitivity -148dBm" Hot start capture sensitivity -156dBm Re-acquisition sensitivity -160dBm Tracking sensitivity -162dBm"
	positioning accuracy	<2m(1σ)
	Speed measurement accuracy	<0.1m/s(1σ)
	Positioning update rate	Maximum 5Hz
POWER	External voltage	9 - 90V
	Type-C charging	5V
	battery	300mAH(3.7V)
	Power-on method	"1 Power on directly with external power supply 2 Type-C power supply for direct startup 3 Battery powered, turn on the switch
	charge	External voltage or Type-C interface charging, charging current 100mA
SENSOR	6-axis sensor	Support, embedded temperature sensor
	Hardware watchdog	Support
	chip	GR5525RGNI
	RAM	256 KB
	SiP Flash	1 MB

Bluetooth@ Technology	External flash	Support
	agreement	BLE 5.3
	Data transmission rate	1 Mbps、2 Mbps、Long Range(500 kbps、125 kbps)
	Transmission (TX) power	- 20 dBm ~ +7 dBm
	Reception (RX) sensitivity	- 97 dBm (1 Mbps模式下) - - 93 dBm (2 Mbps模式下) - - 101 dBm (Long Range 500 kbps模式下) - - 103 dBm (Long Range 125 kbps模式下)
Interface	switch	1. Turn on to use the battery to power the system 2. Turn on to charge the battery
	SIM	NAND
	ADC	Support
	UART	Support
	indicator light	Red light: power indicator light, green light: network signal light, blue light: GPS signal
	USB	Support Type-C interface
	ACC	compatible
	RELAY	compatible
	1 WIRE	compatible
	SOS	compatible
	GATE	compatible
	RS485	compatible
	RS232	compatible
	MIC	compatible
	BEEP	compatible

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user ' s authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with **minimum distance 20cm** between the radiator and your body.