

World's Most Powerful Tracking & Monitoring Solution



ZillionTrace ZT-28S Technical Specification

Physical	Dimensions	Main body: L(70mm) x W(51mm) x H(12mm)
	Weight	Device: 46g (with polymer lithium battery); Optional advanced door status module: 39g
	Case Enclosure	IP67 dust and water proof
	Shell	High performance and anti-flaming engineering plastic
Sensing & Reporting Intervals	Sensing	Collect and process data in sub-second intervals
	Standard Reporting	5 minutes to 24 hours intervals, programmable
	Active Reporting	5 minutes to 24 hours intervals, programmable
LED		Activation indication
Shutdown Privilege		On-site manual shutdown prohibited
Communication¹		4G Cellular Communication Networks
Power Design	Battery	1000mAh Polymer Lithium Battery, Non-Rechargeable
	Battery Life	Up to 90 days with 2 hour reporting interval with strong cellular coverage and none-extreme temperatures; supports variable intervals
Parameters Monitored³	Location	Satellite Positioning(GLONASS, Galileo, GPS and BeiDou); Enhanced positioning (based on Wi-Fi); Cellular triangulation
	Door open	Physical detection (when equipped with the optional door open status module)
	Static Mode	Automatic stationary state detection, 2-30 times of standard report interval can be set up
	Acceleration & Attitude	3 axis acceleration sensor
	Temperature	-35°C ~ +75°C (±0.5°C)
	Geo-route/geo-fence	Configurable geo-route/geo-fence with worldwide map coverage
Features		Can be used as one-time disposable device, recycled multi-trip device, or fixed-installation long-term use device

Annotations:

1. Works with 4G cellular communication networks only; no coverage in countries where 4G networks are not available
2. Not designed to work over an extended period of time outside the temperature range of -30°C ~ 60°C
3. Parameter accuracy is based on sensor manufacturer's specifications and lab testing; accuracy may vary in the field.

FCC Statement

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

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

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 comply with RF exposure requirements, a minimum separation distance of 20cm must be maintained between the user's body and the device, including the antenna.

LTE Band 4: 24.50dB

LTE Band 12: 22.76dB