



VT100

Vehicle Tracking Device



COMPETITIVE PRICE WITH CUTTING EDGE TECHNOLOGY

The VT100 is an affordable compact size 3G vehicle tracking device with an IP66 waterproof enclosure and wide voltage input range with power surge suppressor allowing the device to be installed on 12/24V vehicles including motorcycles.

The device is equipped with a 56-channel high sensitivity GPS receiver. The superior internal antennas for both cellular and GPS makes the device easy to install virtually anywhere in the vehicle. The on-board accelerometer provides accurate tracking based on motion without requiring physical wiring to the vehicle ignition.

INTELLIGENT AND FLEXIBLE TRACKER WITH EFFICIENT PROTOCOL

The VT100 is optimized with a compact and efficient communication protocol with minimal data usage suited for our Global M2M Data SIM making it cost effective to operate anywhere in the world.

With 2 digital inputs for engine ignition and SOS, output relay for immobilizer and 250mAh internal backup battery, the VT100 caters to most basic tracking requirements. The device continuously monitors for power-cut, low battery, over-speed, shock, as well as inputs to trigger immediate notification alerts.

WORLDWIDE COVERAGE WITH EMBEDDED SIM

The VT100 is built with quad-band 2G/3G Cellular module for worldwide coverage and embedded SIM (eSIM) for higher reliability and security. The eSIMs have a longer lifespan and can withstand high temperatures, shocks and vibrations. As the eSIMs are soldered directly on the device, it is impossible to remove the eSIMs for misuse.

The M2M SIM provides worldwide coverage with more than 450 network operators in over 190 countries. Multiple operators in certain countries ensure full network coverage within the country. The low data usage enables the device to operate at a lower cost compared with most local SIMs within the country and even lower for cross border operations.

DEVICE MANAGEMENT PLATFORM

The web-based Device Management Platform provides device management and status monitoring, activation and deactivation for the SIM, remote commands, over-the-air configurations and firmware upgrades.

The platform provides integration to 3rd party telematics applications using HTTP, MQTT, RESP APIs and comes with built-in support for Google IoT Cloud, Amazon AWS IoT and Microsoft Azure IoT.

SPECIFICATIONS

PHYSICAL

Dimensions	77 x 43 x 15 mm
Weight	60 g
Built-in Memory	3 MB
SIM	MFF2 embedded
Protocol Support	TCP, UDP, SMS, USSD

ELECTRICAL

Input Voltage	9 to 40 VDC with surge suppressor
Backup Battery	Li-Polymer 250 mAh

ENVIRONMENTAL

Temperature	-20° to +60° C (operating) -40° to +85° C (storage)
Humidity	5% to 95% non-condensing
Enclosure	Waterproof IP66 compliant

INPUT/OUTPUT

Digital Input	2 (1 Positive for ACC, 1 negative for SOS)
Digital Output	1 (for immobilizer)
Status LED	Power, GPS, Cellular

CELLULAR

Network	Quad-band 2G and 3G
Operating Frequencies	GSM 850/900/1800/1900 MHz UMTS 850/900/1900/2100 MHz
Cellular Antenna	Built-in

GPS

GPS Receiver	56 channels GPS/QZSS L1 C/A, GLONASS L10F SBAS: WAAS, EGNOS, MSAS
Time to First Fix	Cold start: 29 s Hot start: 1 s
Sensitivity	-162 dBm
Location Update Rate	up to 10 Hz
Horizontal Accuracy	2.5 m CEP
GPS Antenna with LNA	Built-in

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