

▶ LTE Specification

Operating Band	B2/B4/B12/B13
Data Transmission	eMTC (DL) 375Kbps eMTC (UL) 375Kbps

▶ GNSS Specifications

GNSS Type	u-blox All-in-One GNSS receiver
Sensitivity	Cold Start: -145 dBm Tracking: -161 dBm
Position Accuracy (CEP)	Autonomous: < 2.5m
TIFF (Open Sky)	Cold Start: 30s average Hot Start: 1s average

▶ General Specifications

Dimensions	87mm x 55mm x 12.5mm
Weight	50g
Backup Battery	Li-Polymer 190 mAh
Operating Voltage	8V to 32V DC
Operating Temperature	-30°C~ +80°C -40°C~ +85°C for storage
Bluetooth (optional)	Support BLE 4.0 protocol

▶ Interfaces

Digital Inputs	1 positive trigger for ignition detection
Digital Outputs	1 digital output, open drain, 150 mA max drive current
Digital Input/Output	1 special I/O can be configured as a negative trigger digital input or an open drain output with 150 mA max drive current
Serial Port	1 TTL UART port for upgrading and debugging
Cellular Antenna	Internal only
GNSS Antenna	Internal only
Bluetooth Antenna (optional)	Internal only
LED Indicators	CELL and GNSS

▶ Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status according to preset time schedules
Geo-fences	Geo-fence alarm, support circular and polygon fences
Tow Alarm	Alarm for tow event in ignition off state
Driving Behavior Monitoring	Aggressive driving behavior detection
Crash Detection	Accident data collection for reconstruction and analysis
Special Alarm	Special alarm based on digital inputs
Remote Control	OTA control of digital inputs

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