

VT200-L

4G Pro Vehicle GPS Tracker

4G LTE
Support 4G/3G/2G network

IP66
IP66 Water-resistant ensures stable operation in tough environment

128 Mb Flash
Store buffer when the signal is lost to keep a complete tracking route

Camera
Take photos and upload to server, supportautomatic photo upload triggered by events

Dual Server IP
Support uploading location data to two servers simultaneously

Multiple I/O
3IN + 2OUT+1AD+1RS232+1-Wire+ 1Speaker+1Microphone, 4IN/2AD configurable

FOTA
Quickly and easily upgrading firmware remotely

GPS/BDS/QZSS(GLONASS optional)
Multiple positioning system for high-precision real-time positioning

9-100V
9-100V wide operating voltage applicable to all types of vehicles

Two-way Audio
With MIC and loudspeaker for two-way communication

RS232
RS232 port can be equipped with Camera, RFID, magnetic card reader or OBD II reader

1-Wire
1-Wire® can be equipped with up to 8 temperature sensors or ibuttons

Driving Behavior
Support harsh acceleration alarm, breaking alarm, harsh turning alarm, speeding alarm, drunk driving alarm, fatigue alarm etc.

Fuel steal alarm
Support ultrasonic fuel sensor or capacitive fuel sensor with fuel steal alarm

Application:


Taxi


Bus


Motorcycle

iStartek

Dedicated To Long Term Stable Running IoT Devices

Basic Specifications

Power supply	9V-100V
Dimension	99 x 54 x 19.5mm
Weight	106g
Backup Battery	500mAh
Normal Power Consumption	110mA/h
Work Time	33 hours in power saving mode and 4hours is normal mode
Operation Temperature	-20° to 75° C
Humidity	5% to 95% Non-condensing
Memory	128M bit
Waterproof Level	IP66
Sensor	3D Acceleration Sensor
Positioning	GPS +BD2

LTE /GSM Specifications

Frequency	VT200-LCN: LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/B38/B39/B40/B41 WCDMA: B1/B5/B8 VT200-LEU: LTE-FDD: B1/B3/B5/B7/B8/B20/B28 LTE-TDD: B38/B40/B41 GSM: 850/900/1800/1900MHz VT200-LAU: LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28/B66 LTE-TDD: B40 WCDMA: B1/B2/B4/B5/B8 GSM: 850/900/1800/1900MHz
4G LTE Module	Quectel EC200A-CN/ EC200U-EU/ EC200A-AU
Data Transmission	LTE FDD: Max.10Mbps (DL)/Max.5Mbps (UL) LTE TDD: Max.8.96Mbps (DL)/Max.3.1Mbps (UL) WCDMA: Max.384Kbps (DL)/Max.384Kbps (UL) GPRS: Max.107Kbps (DL)/Max.85Kbps (UL)
GSM Data Transmission	Multi-slot class 12

GNSS Specifications

GPS Type	Quectel L26K
Sensitivity	Acquisition -149dBm Tracking -167dBm Reacquisition -162dBm
Position Accuracy	Autonomous: < 2.5m CEP

Velocity Accuracy	Without Aid: <0.1m/s
Channel	33(Tracking)/ 99 (Acquisition)
TTFF (Open Sky)	Cold Start: <26s Warm Start: <15s Hot Start: <1s
Reacquisition Time	<1s

Interfaces

Digital Inputs	3 inputs(All 3 inputs can be configured as high and low trigger modes, IN3 can be configured as AD input mode)
Digital Outputs	2 digital output, open drain, 500 mA max drive current
Analog Inputs	1 analog input (0V-36V), input3 can be configured as AD2(0-6.6V)
1-Wire Interface	1-Wire® can be equipped with up to 8 temperature sensors or ibuttons
Power Output	5V outputs for external accessories
Communication Ports	1 RS232 port for external accessories, such as RFID,OBD II, magnetic card reader etc.
Cellular Antenna	internal antenna
GNSS Antenna	internal antenna
LED Indicators	Network, GNSS
Microphone	External MIC
Speaker	External Speaker

Air Interface Protocol

Transmit Protocol	TCP, UDP, SMS
Scheduled Report	Report position and status based on preset time intervals, distance, mileage or a combination of these settings
Geo-fences	Geo-fence alarm and parking alarm
Low Power Alarm	Alarm when backup battery is low
Power On Report	Report when the device is powered on
Driving Behavior Monitoring	Support harsh acceleration alarm, breaking alarm, harsh turning alarm, speeding alarm,drunk driving alarm, fatigue alarm etc.
Fuel Monitoring	Support ultrasonic/capactive fuel sensor for fuel monitoring, with fuel steal alarm
Temperature Monitoring	High temperature alarm, low temperature alarm
Towing Alarm	Trigger an alarm when towing illegally
Idling alarm	Trigger alarm when the vehicle is parked but the ACC is on, saving fleet costs
Remote Control	OTA control of digital outputs
FOTA	Support firmware upgrade over the air
OBD II Reader	Read engine Rotating speed, water temperature, etc.
Camera	Developing
RS232	RX green line, TX white line
Protocol	iStartek new protocol

Standard Accessories

Packing box


Optional Accessories

Speaker	Camera	RFID Card Reader	OBD II Reader	Ultrasonic Fuel Sensor
				
Capacitive Fuel Sensor	**iButton**	**Temperature Sensor**	**Buzzer**	**Relay**
				
Microphone	**SOS Button**	**USB Cable**	**Pin Switch**	**Weight Sensor**
				