



MTS140

2G GPS Tracker AIS140



AIS140

Comply with AIS140 standard



IP66

IP66 Water-resistant ensures stable operation in tough environment



64 Mb Flash

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



Remote cut-off (petrol/power)

Compel the vehicle to stop by breaking off the fuel connection



Dual Server IP

Support uploading location data to two servers simultaneously



Multiple I/O

4IN + 2OUT+2AD+2RS232+1-wire



FOTA

Quickly and easily upgrading firmware remotely



GPS/IRNSS/BDS/Galileo

Multiple positioning system for high-precision real-time positioning



9-100V

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



E-SIM

Both support SIM and E-SIM, E-SIM can choose Airtel/ Vodafone/ Bsnl data packet



RS232

RS232 port can be equipped with 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, fatigue alarm etc.



Fuel steal alarm

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

Application:



Taxi



Bus



Motorcycle

General Features

Dimension	99 x 54 x 19.5mm
Weight	106g
Backup Battery	500mAh
Normal Power Consumption	65mA/h
Work Time	33 hours in power saving mode and 7.5hours is normal mode
Operation Temperature	-20° to 80° C
Humidity	5% to 95% Non-condensing
Memory	64M bit
Waterproof Level	IP66
Positioning	GPS+IRNSS+BDS+Galileo

GSM Specifications

Frequency	GSM: 850/900/1800/1900MHz
2G Module	M25, 2G, 4 frequency, Quectel
Data Transmission	GPRS: Max.85.6Kbps (DL)/Max.85.6Kbps (UL)
GSM Data Transmission	Multi-slot class 12

GNSS Specifications

GPS Type	ALLYSTAR HD8040
Sensitivity	Acquisition -146dBm Tracking -160dBm Reacquisition -157dBm
Position Accuracy	Autonomous: < 2.5m CEP
Velocity Accuracy	Without Aid: <0.1m/s
Channel	40 (Tracking)/ 96(Acquisition)
TTFF (Open Sky)	Cold Start: <32s Warm Start: <15s Hot Start: <1s
Reacquisition Time	<1s

Interfaces

Digital Inputs	4 digital inputs, can be configured as high level and low level trigger modes.
Digital Outputs	2 digital output, open drain, 500 mA max drive current
Analog Inputs	2 analog input (0V-36V)
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	2 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

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, fatigue alarm etc.
Fuel Sensor	Support ultrasonic/capactive fuel sensor for fuel monitoring, with fuel steal alarm
Digital Temperature Sensor	High temperature alarm and low temperature alarm
Remote Control	OTA control of digital outputs
FOTA	Support firmware upgrade over the air
Alarm buzzer	Press the SOS alarm button in an emergency
Protocol	AIS140 Protocol

Optional Accessories

USB Cable

