

## NT-183

### Production Specification

#### V1.4



#### Description

NT-183 is an OBD GPS dongle which provide positioning, tracking , car status checking and driving behavior analyzing function. With its plug and play design, the dongle can easily connect with OBD port to acquire real time data , such as car position, car status, car DTC, driving behavior data. And all these information will be upload via WCDMA to server for further analysis, statistics , storage and more extensive application

#### Production Feature

- ◆ Support dedicated protocol of Japanese vehicle
- ◆ Support commercial vehicle protocol,J1939,J1708, Such as MITSUBISHI,HINO,ISUZU
- ◆ 50Hz 3-axis accelerator, real time uploading and restore vehicle accident process
- ◆ Fast and precise GPS positioning ,Standard EMC HW(CISPR-25,ISO-7637,ISO-10605)

#### Production Function

- ◆ Support OBD II /EOBD/JOBD protocol
- ◆ Real time position uploading ( support GPS-America, COMPASS-China, QZSS-Japan, GLONASS-Russia, Galileow-Europe, and these positioning system are optional)
- ◆ Real time car status uploading, such as water temperature ,air intake pressure, RPM, speed, intake air temperature , air flow etc. And these function are optional.
- ◆ Real time Mileage, fuel consumption, trip time uploading
- ◆ Real time car DTCs uploading
- ◆ Real time Alarms uploading: Speeding, Harsh acceleration/deceleration, Quick lane change, Sharp turn, Collision, over speed, low voltage, park w/o flameout, ignition/flameout, towed, Fault indication, Higher temperature, SOS, Dongle plug and unplug etc
- ◆ Data uploading automatically after blind area

- ◆ Remote Debugging function
- ◆ SMS inquiry for car position link

**Technical Specification**

Mechanical Parameter	Dimension	62mm (Length) x 50mm (Width) x 25mm (Height)
	Weight	100g
Interface		OBD interface: Support A/B Type Configuration interface : Micro-USB SOS Button interface: MMCX
Support Diagnostic Protocol		Passenger : ISO15031 and Dedicated protocol of Japanese vehicle TOYOTA,NISSAN,MAZDA,HONDA,MITSUBISHI,SUBARU,SUZUKI,DAIHATSU) Commercial vehicle : J1939,J1708 and Dedicated protocol of MITSUBISHI,HINO,ISUZU
Power	Working Voltage	8-32VDC
	Working current	Max: <120mA@13.8DC,<80mA@27.6VDC Average( sleeping mode): <10mA@12/24VDC
	Battery	3.7V/100MAH
Positioning system		GPS,QZSS,GLONASS,COMPASS,Galileow,A-GPS( Optional )
GPS Performance ( GPS performance)		Receiver Channels: 56 reacquisition Sensitivity: -160dBm position accuracy: 2.5m CEP Cold Start: 30s Hot Start: 1s
GLONASS Performance ( GLONASS performance)		Receiver Channels: 56 reacquisition Sensitivity: -156dBm position accuracy: 4.0m CEP Cold Start: 32s Hot Start: 1s
Actual Measurement	3D Positioning time	Cold Start: 30s~120s Hot Start: 3s~15s
Mode of data transmission		TCP/SMS
2G/3G		<b>183G(SIM800C):</b> Quad-Band: GSM/GPRS 850/900/1800/1900MHz Certifications: CE,FCC,GCF,TA,ROHS,REACH,CTA,CCC  <b>183W(LISA-U200):</b> Quad-Band: HSPA 800/850/900/1700/1900/2100 MHz, Quad-Band: GPRS/EDGE 850/900/1800/1900MHz Certifications: e4 ,R&TTE,CE,FCC  <b>SIM5360E(SIM5360E):</b> Dual-Band: UMTS/HSPA+ 900/2100MHz Quad-Band: GSM/GPRS/EDGE 850/900/1800/1900MHz Certifications: CE,GCF,ROHS,REACH,CCC,CTA

		<b>SIM5320A(SIM5320A):</b> Dual-Band: WCDMA/HSDPA 850/1900MHz Quad-Band: GSM/GPRS/EDGE 850/900/1800/1900MHz Certifications: FCC,PTCRB,IC,ROHS,REACH Carrier Approvals: AT&T,Rogers  <b>SIM5320J(SIM5320J):</b> Dual-Band: UMTS/HSDPA 850(800)/2100MHz Quad-Band: GSM/GPRS/EDGE 850/900/1800/1900MHz Certifications: Telec,JATE Carrier Approvals: Docomo
3-axis accelerator		+/-16g
Storage		8M BYTE FLASH
Indication light		GPRS/GPS /OBD
Buzzer		System state/Alarm indication
Antenna	2G/3G	Built-in
	GPS	Built-in
Accessories optional		USB private wire, SOS extended cable
Enviromental Parameter	Operating Temperature	-30°C ~ +70°C (Humidity 80%)
	Humidity	5%~95% (No Frosting)