CASTEL

China Aerospace Telecommunications Ltd



Company Profile

China Aerospace Telecommunications Limited (Castel Group for short), founded in 1997, is a subsidiary of China Aerospace Science and Technology Corporation (CASC). As one of the co-founders of China GPS Association, Castel Group has over 10 years experiences in GPS and LBS application, wireless, communication and access, and are engaged in R&D and manufacturing and provisioning of customized integrated solutions.



R&D

- Located in Shenzhen High-Tech Industrial Park
- 20 Years of Professional Electronics R&D Experience
- System Module Design Ability



Factory

- Located in Shenzhen with 10000 m^2 standardized production ground
- 200 well trained workers ensures on time delivery of quality product
- Dedicated RHOS production equipment to satisfy production requirement of environmental friendly products

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NEW

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MP1P-618W-A
Support OBD module & RFID Function

HT-192B
Fuel consumption & Mileage Statistic

HT-196R
Driving Behavior Analyzer

This professional GPS TRACKER combined with OBD diagnostic module for Passenger Car& Business Vehicle.
It can locate as depends, function include theft tracking ,vehicle analysis ,fuel consumption ,statistics, fuel left reading ,mileage statistic, maintenance reminder, driving behavior analysis and RFID attendance statistics.etc.
It has Standard OBD port (16P/9P/6P), this port can support our OBD module (HT-192B),quick &easy installation to all kinds of car. The most popular and multi-functional vehicle terminal with various accessories, wide range use for Fleet management and professional service solution .

Features
- High GPS and GSM sensitivity
- Support Quad band GSM&GPRS Network (850/900/1800/1900Mhz)
- Configurable, SMS command, and PC software
- GPS Tracking (Send position via GPRS or SMS)
- Compatible with OBD module HT-192B (optional)
  Intelligent alarms: SOS alarm, ignition status alarm, abnormal temperature alarm, abnormal water temperature alarm, fatigue driving alarm, speeding alarm, route yaw alarm, rate-limiting of route sections alarm, geo-fence ,high RPM alarm ,door open alarm, GPS fault alarm, low voltage alarm.
- Mileage statistics
- Maintenance reminder
- Fuel consumption statistics
- Data Memory
- Engine stop
- Monitoring, hands-free call
- Image capture (1 channel /4 channel camera optional)
- Driving behavior analysis (HT-196): Real-time statistics of impact detection, sharp Turning, hard acceleration, hard deceleration, quick lane changing, etc.(optional)
- Dual RS485 external
- FOTA (Firmware updating via GPRS)

Optional

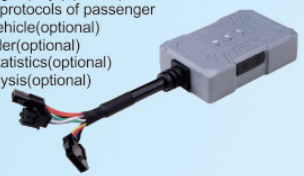


MPIP-619
Portable vehicle gps tracker



MPIP-619 GPS tracker is based on the GSM / GPRS network and GPS satellite positioning system, which set multiple functions of security, positioning, monitoring surveillance, emergency alarms and tracking in its entirety. It can track and monitor remote target by SMS or internet.
Upgraded version of MPIP-619 will be a professional GPS tracker combines with RFID driver behaviour analysis for fleet management solutions which can do real-time location tracking,theft tracing,vehicle diagnostic analysis,fuel consumption . Statistics, fuel left reading,mileage statistics,maintenance reminder,driving behavior analysis and RFID attendance statistics,etc.
Standard OBD port (16P/9P/6P) leads to quick&easy installation to all kinds of private cars and commercial vehicles.

Features:
- Low price
- Real-time location tracking
- Mileage statistics
- Remote power cut-off
- SMS alert&configuration
- SOS&over speed alarm.etc
- Geo-fence
- Data storage in blind area and resend subsequently
- Easy installation,Plug-n-play.(optional)
- Compatible to OBD protocols of passenger Car& Commercial Vehicle(optional)
- Maintenance reminder(optional)
- Fuel consumption statistics(optional)
- Driver behavior analysis(optional)





China Aerospace Telecommunications Limited
CASTEL
Professional GPS Solution



IDD-212GL
Multi-function on board diagnostic device

IDD-212GL is designed for real-time vehicle diagnostic and tracking purpose that comes with quad-band GSM/GPRS function and an external GPS (G-mouse or HT-196 versions) available for tracking. It could read OBD parameters from car ECU and capture GPS data via the external GPS then transmit to the backend server for remote diagnostic and tracking purpose.
For 212GL with HT-196 version, cornering, quick-lane change, collision alarm, RFID ID check can be achieved.

Features:
Protocol Supported
SAE J1850 PWM ,SAE J1850 VPW ,ISO9141-2,ISO 14230-4 ,ISO 15765-4,J1939 ,J1708
- Compact design, plug-and-play,
- Compliant with all cars with OBD II
- Diagnostic trouble codes OBD code monitoring
- Engine live data reading including RPM, speed, ECT, MAF, TP e tc
- Real-time alarm for the hard acceleration, hard deceleration, idle engine, speeding
- Quick turning, quick change lane, collision etc (HT-196,optional)
- Real time location tracking and history trace replay
- Fuel consumptions monitoring
- Mileage
- RFID driver ID checking (HT-196,optional)
- Low voltage monitoring





IDD-212B
OBD bluetooth reader

OBD Bluetooth Reader IDD-212B is a pure OBD reader with Bluetooth module, it captures vehicle data and real time display on your smart phone/PND or CPND/PAD which is based on Android system for a real time view of your vehicle status, a communication box with GPS and GSM module built in allowed to be connected with IDD-212B to transmit the data to the backend server.
Protocol Supported
J1850-VPW、J1850-PWM、KWP2000、ISO9141、ISO15765



Features
- Compact design, easy installation
- Industrial class components with high quality performance
- Car running condition parameters reading including RPM, speed, ECT, MAF, TP etc and real time vehicle data transmission to your phone
- Car health status inspects and report
- Real time DTC list and maintenance/repair suggestions
- Driving behaviour analysis

Applications OBD series product
Individual tracking Fleet management Service shop / Car dealer Insurance company



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IDD-213E
3G version of diagnostic device with all-in-one feature

IDD-213E is an intelligent on-board diagnostic and all-in-one device that is compatible with passenger and commercial vehicles, it features plug-and-play technology, could read diagnostic info from vehicle ECU and capture location data, then send them to backend server for real-time remote diagnostic and tracking purpose.
Protocol Supported
SAE J1850 PWM SAE J1850 VPW ISO 9141-2 ISO 14230-4 ISO 15765-4 SAE J1939 SAE J1587/J1708

Features
- Industrial class components with high quality
- OBD II/EOBD, J1939 and J1708 compliant
- Plug & Play technology
- Comprehensive data collection and analysis, including diagnostic data, location data and driving behavior data SMS
- OTA FW update



Function
- Real-time tracking
- Read diagnostic data, including vehicle speed, RPM, ECT etc.
- Read diagnostic trouble codes and freeze frame data
- Mileage statistic
- Fuel consumption statistic
- Driving behavior monitoring, including speeding, hard acceleration/deceleration, idle engine etc.
- Support passenger car / heavy duty / tracker mode
- Up to 24,000 GPS data storage
- Data reporting according to time interval, distance and heading change
- Ignition on/off detection
- Vehicle battery monitor
- Base station ID report (when no GPS signal)
- Internal battery for unplug notification
- Alarms and events
- High ECT
- Speeding
- High RPM
- Hard acceleration
- Hard brake
- Low power
- Idle engine
- Towing
- Plug indication
- Unplug notification
- Fatigue driving
- Excessive exhaust emission
- SOS
- SMS alarm to user phone
- Connect backend server via domain or IP address
- Google Map link in location



IDD-213T
OBD plug-n-track device

IDD-213T is a certified quad-band, 3-axis accelerometer and GPS integrated OBD GPS Tracker. Only need to plug it on OBD II interface, it will provide real-time tracking and monitoring solutions for fleet management, insurance, or car leasing etc.

Features :
- Compact design, plug-and-track function
- Real-time tracking and history trace replay
- Data storage in blind area and upload automatically when GPRS network recover
- Geo-fencing
- Mileage
- Abnormal alerting: speeding and low voltage alarm etc
- SMS Location Inquiry
- GPRS & SMS Dual mode communication





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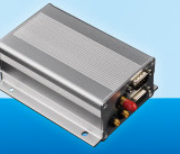
CASTEL Professional GPS Solution





SAT-802 & SAT-802S
Iridium GSM & GPS Satellite Tracking System

SAT-802&SAT802S is dual mode Iridium&GSM tracker that combines with Iridium SBD and GPRS to send gps data globally.

It is suitable for global vessel tracking&vehicle tracking&fleet management solutions at lower cost by its intelligent working mode.

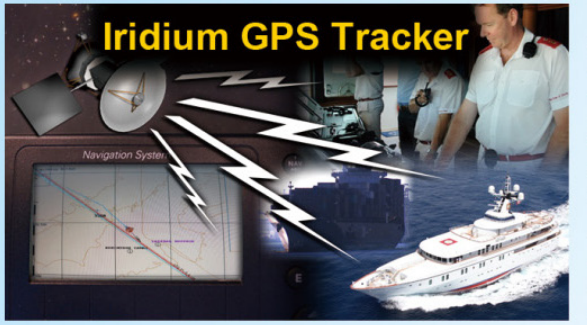
Best choice for Air,Sea,Mountain,Desert,etc,anwhere on earth.Full coverage in Global.No Blind Area.

Features
- Dual mode communication: Iridium SBD and GPRS.
- Auto choose communication channel, GPRS is top priority.
- Global GPS location tracking
- SOS
- Geo-fence
- Dual RS232 extend: temperature sensor,3 channel camera,
- 5 I/O
- OTA wireless upgrading
- Air, Sea, Mountain, Desert, etc, anywhere on earth. Full coverage in Global, No Blind Area.
- Leverage on GSM and Iridium satellite networks, able to switch automatically,depending on GSM



Application:





IRIDIUM STATELLITE

The only true global satellite communication service in the world, Iridium delivers essential communications services to and from remote areas where no other form of communications is available, Its constellation consists of 66 satellites that provide complete coverage of the earth-including oceans, airways and Polar Regions.

The specification may be subject to change without prior notice.

Function Comparasion Sheet

	Model					
	SAT-802	SAT-802S	MPIP-618W-A	MP1P-619	IDD-213T	IDD-212GL
						
working band	850/900/1800/1900	850/900/1800/1900	850/900/1800/1900	850/900/1800/1900	850/900/1800/1900	850/900/1800/1900
GPS& GSM antenna	external	external	external	external&internal	internal	external&internal
Iridium communication(global data transmission)	√	√				
GSM+GPS module	√	√	√	√	√	√
Dimension	86*43*113mm	230*230*69mm	66*30*110mm	75*48*20mm	50*28*63mm	55*50*28mm
Weight	290g	300g	260g	80g	50g	50g
Waterproof	IP30	IP65	IP30	IP54	IP30	IP30
Easy installation	√	√	√	√	√	√
Global Position Tracking	√	√	√	√	√	√
Track on demand	√	√	√	√	√	√
Tracking by time interval	√	√	√	√	√	√
OBD communication protocol			√	optional	√	√
Diagnostic analysis			√	optional	√	√
Fixed data upload	√	√	√	√	√	√
Mileage statistics	√	√	√	√	√	√
Maintenance reminder			√	√	√	√
Fuel comsumption statistics			√	√		√
Low voltage alarm			√	√	√	√
Abnormal water temperature alarm of the car			√	optional		√
High RPM alarm			√	optional		√
driver Fatigue alarm			√	optional	√	√
SOS alarm	√	√	√	√		
Speeding alarm	√	√	√	√	√	√
Route section speeding alarm	√	√	√	√		
Route yaw alarm	√	√	√	√		
Geo-fence by platform	√	√	√	√	√	√
ACC ON/OFF alarm	√	√	√	√		
Blind area store/resend track data	√	√	√	√	√	√
Call center command control device	√	√	√	√		
G- Sensor				√		√
Temperature measurement	√	√	√	optional		
RFID Attendance statistics			√	optional		√
Backup battery			3.7V/600mAH	3.7V /300mAH	3.7V/150mAH	3.7V/120mAH
9-36Voltage	√	√	√	√	√	√
Intelligent power saving mode	√	√	√	√	√	√
OTA (update by wireless)	√	√	√	√	√	√
Data transmission	√	√				
Digital/analog input	5	5	4			
Digital input(negative trigger)			1			
Output control	1	1	2			
Percentage of remaining fuel			optional			
Door open alarm			optional			
Relay(Enigine cut off)	optional	optional	optional	optional		
Buzzer	optional	optional				Built-in
USB cable	optional	optional	optional	optional	optional	optional
Microphone&speaker	optional	optional	optional			
Handset	optional	optional	optional			
External camera	optional(1&3 channel)	optional(1&3 channel)	optional(1&4 channel)			
Temperature sensor	optional	optional	optional			
Fuel sensor			optional			
Fuel level corrector			optional			
HT-196R(RFID)			optional	optional		optional
HT-192B(OBD)			optional	optional		
OBD extension cable(16P)			optional	optional	optional	optional
OBD extension cable (9P)			optional	optional	optional	optional
OBD extension cable (6P)			optional	optional	optional	optional
Certificates	FCC/CE/E-Mark	FCC/CE/E-Mark	FCC/CE/E-Mark		FCC/CE/E-Mark	FCC/CE/E-Mark
working current	350mA	350mA	150mA	150 mA	150mA	150mA
standby current	145mA	145mA	55mA	40mA	10mA	10mA
Flash memory	2MB	2MB	2MB	300KB	2MB	2MB
communication protocol	TCP/IP	TCP/IP	TCP/IP	TCP/IP	TCP/IP	TCP/IP
Application Area	Vechile	Boat,whirlybird	Vehilcle	Vehicle&Motorcycle	Vehicle	Business car Passenger car
Tracking platform website	www.freelivetrack.com ID:castelhk /PW:123456	www.freelivetrack.com ID:castelhk /PW:123456	www.freelivetrack.com ID:castelhk /PW:123456	www.freelivetrack.com ID:castelhk /PW:123456	www.livetelematics.com ID: Ht_demo /PW: Demotest	www.livetelematics.com ID: Ht_demo /PW: Demotest