

T622E/G-F9 IRIDIUM SATELLITE SOLUTION

A flexible and global coverage Iridium satellite communications solution

Meitrack Group

Iridium satellite

GPS positioning

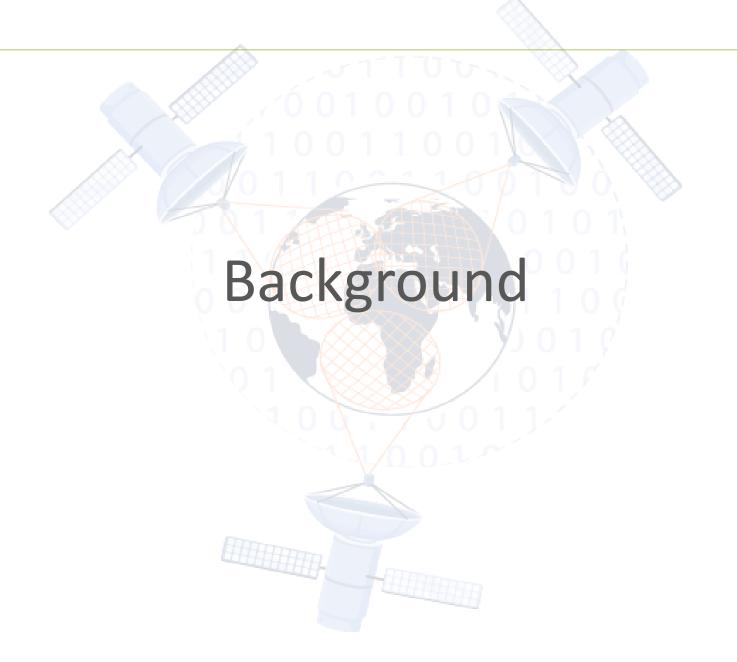
Customizable protocols

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Catalogue

- 01. Background
- **02.** Iridium Satellite Products
- 03. Iridium Satellite Solution
- **04.** Why Meitrack

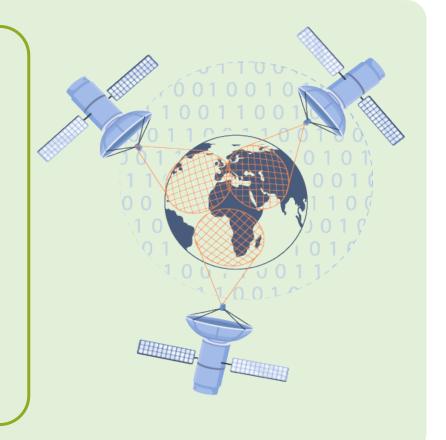




Background

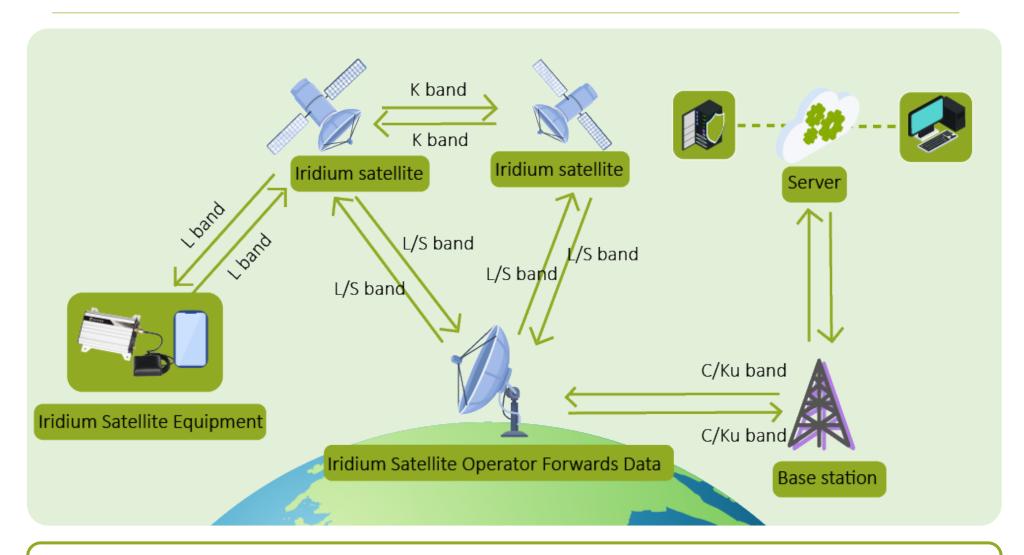


- The Iridium system is the first generation of communications constellation system proposed by the United States in 1987, its goal is to use 66 low-orbit satellites to provide satellite phone, paging and data services to users anywhere on earth.
- The Iridium Satellite Project was proposed against the backdrop of the booming mobile communications market in the 1990s, aiming to fill gaps that could not be covered by terrestrial mobile communications networks and provide professional services to specific industries and groups.



What is Iridium





Iridium satellite equipment can forward data through the Iridium satellite network and ground stations to the base station network, and eventually upload to the server



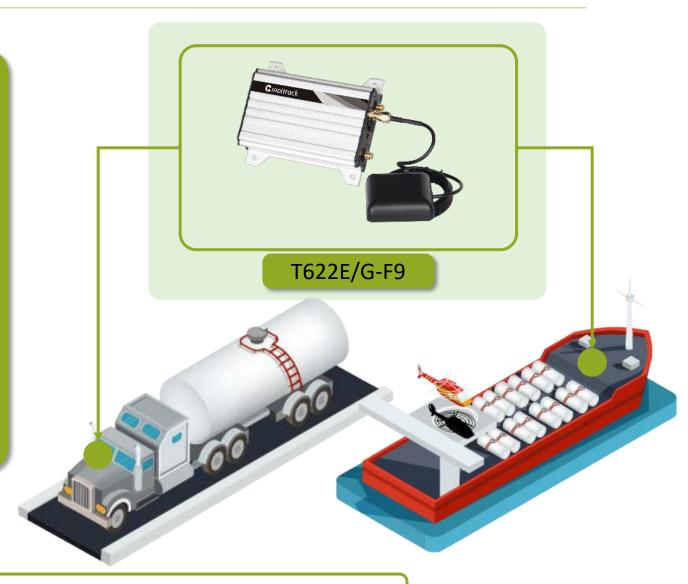


T622E-F9\T622G-F9



Solution main functions

- Iridium satellite communication
- GPS
- GSM base station communication
- Operating temperature : -10°C-55°C
- DC11.4V~36V/1.5A
- Supports the CAN J1939 protocol
- SOS emergency alarm
- Supports fuel sensor
- Overspeed alarm
- Rapid acceleration/deceleration detection
- RFID
- GEO-fence
- Multiple IO ports



These are some main functions of the T622E/G-F9

T622E-F9\T622G-F9



Iridium Satellite Dedicated Antenna

Item	Parameters		
Appearance			
Specification	25*25*4mm		
Frequency	1621MHz ± 5MHz		
Band width	> 10MHz		
Impedance	50Ω		
Gain	5dB		
Polarization	RHCP		

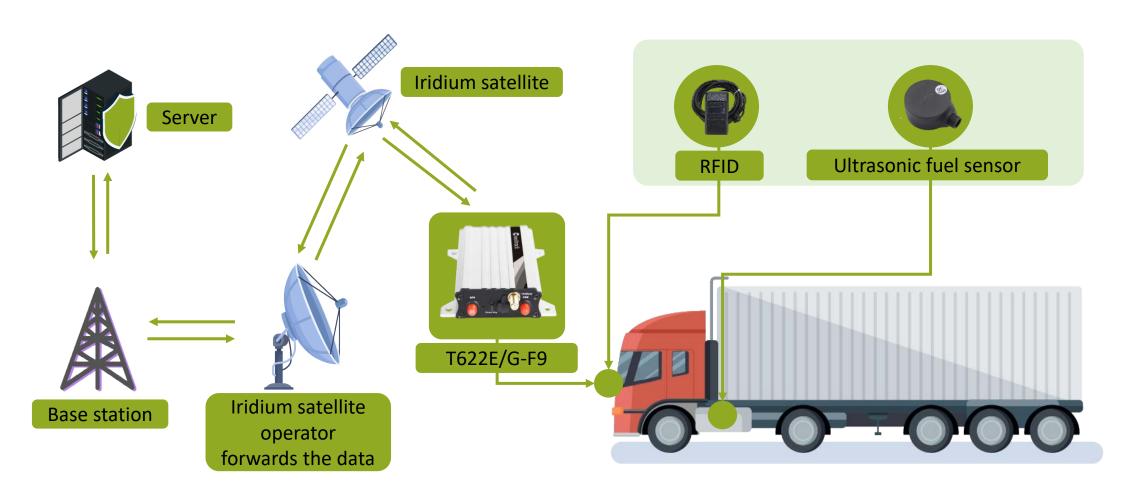


T622E/G-F9 requires connection to a dedicated iridium satellite antenna for data transmission



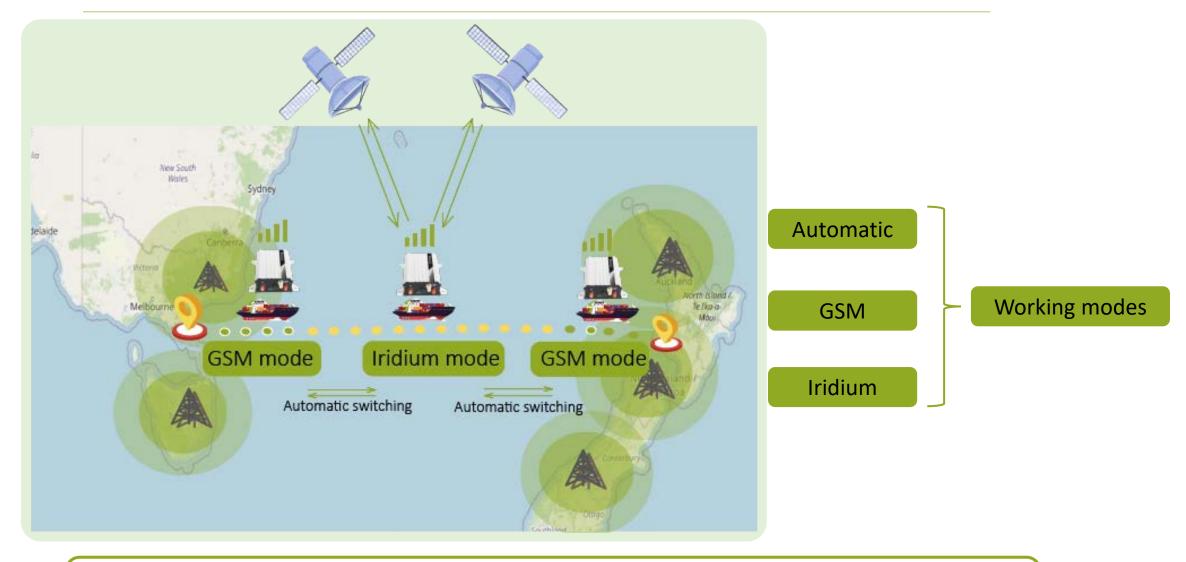






The T622E/G-F9 can be installed on the truck, in some areas without the GSM signal, the device will communicate via the Iridium satellite network

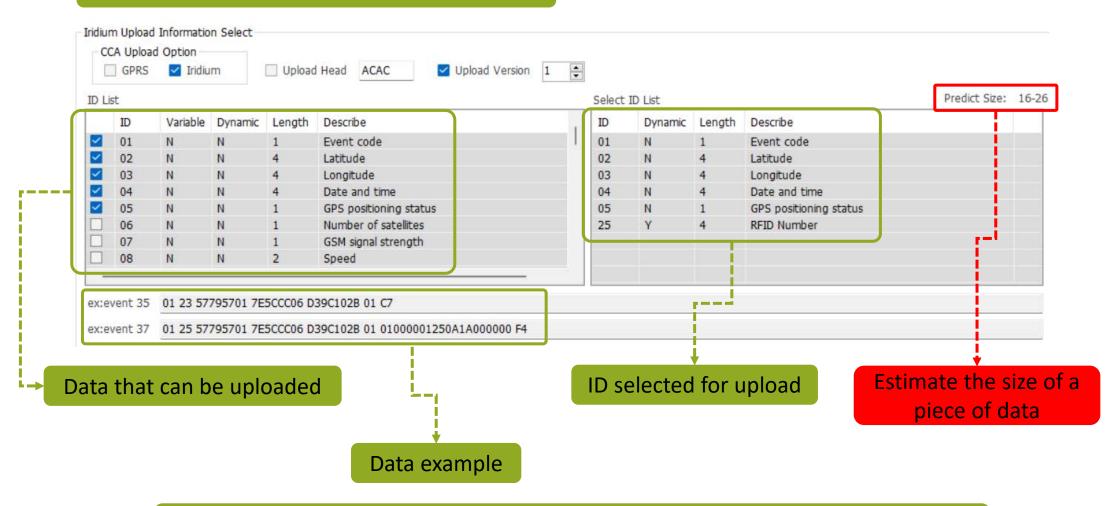




Users can choose three modes. In automatic mode the device will give priority to using the GSM network. When there is no GSM network, it will switch to the Iridium satellite network.

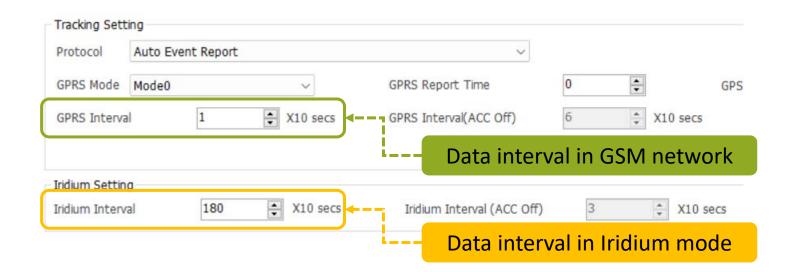


Use CCA Dynamic protocol to save data costs



Users can choose which data to upload according to their needs, which can effectively save data costs



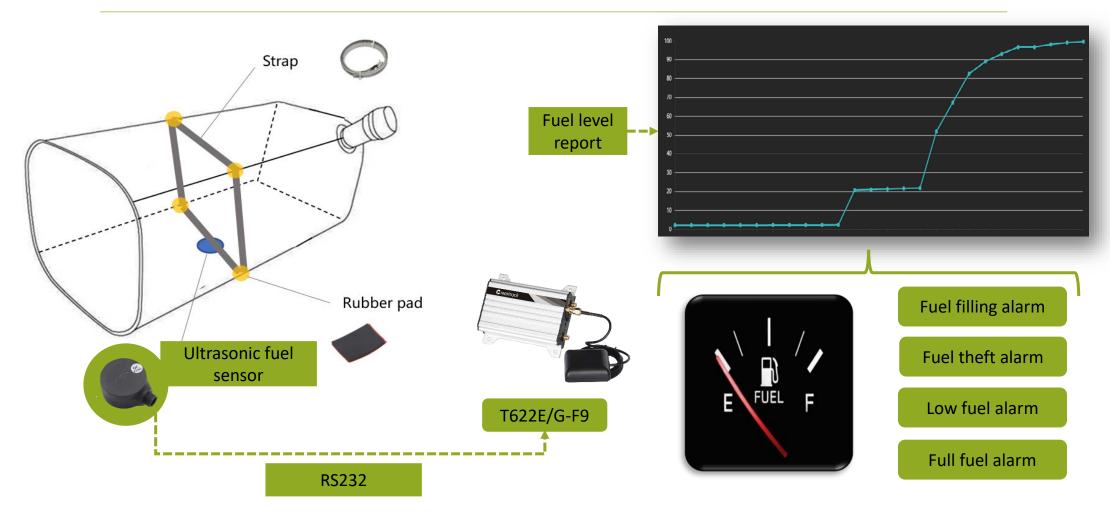


SBD Data Plan (KB)	12 KB	17 KB	30 KB
Monthly Fee (USD)	18.99	23.99	39.99
Available Data (Bytes)	12,000	17,000	30,000
Overage Rate (USD/1,000 Bytes)	1.5	1.5	1.5
Activation Fee (USD)	38.99	38.99	38.99
Suspended Fee (USD)	2.5	2.5	2.5
Mailbox Check (per event)	0.03	0.03	0.03
Commitment Period (Months)	6	6	6
Early Termination Fee (USD)	30.0	35.0	50.0

The charging strategies of different Iridium satellite data providers are different. The example on the left picture is for reference only.

Assuming that a piece of data is 15 bytes and the Iridium satellite data is uploaded once an hour, then 12KB of traffic per month is sufficient.





The Ultrasonic sensor can monitor the fuel level status and send alarm events to the platform when the fuel level status is abnormal



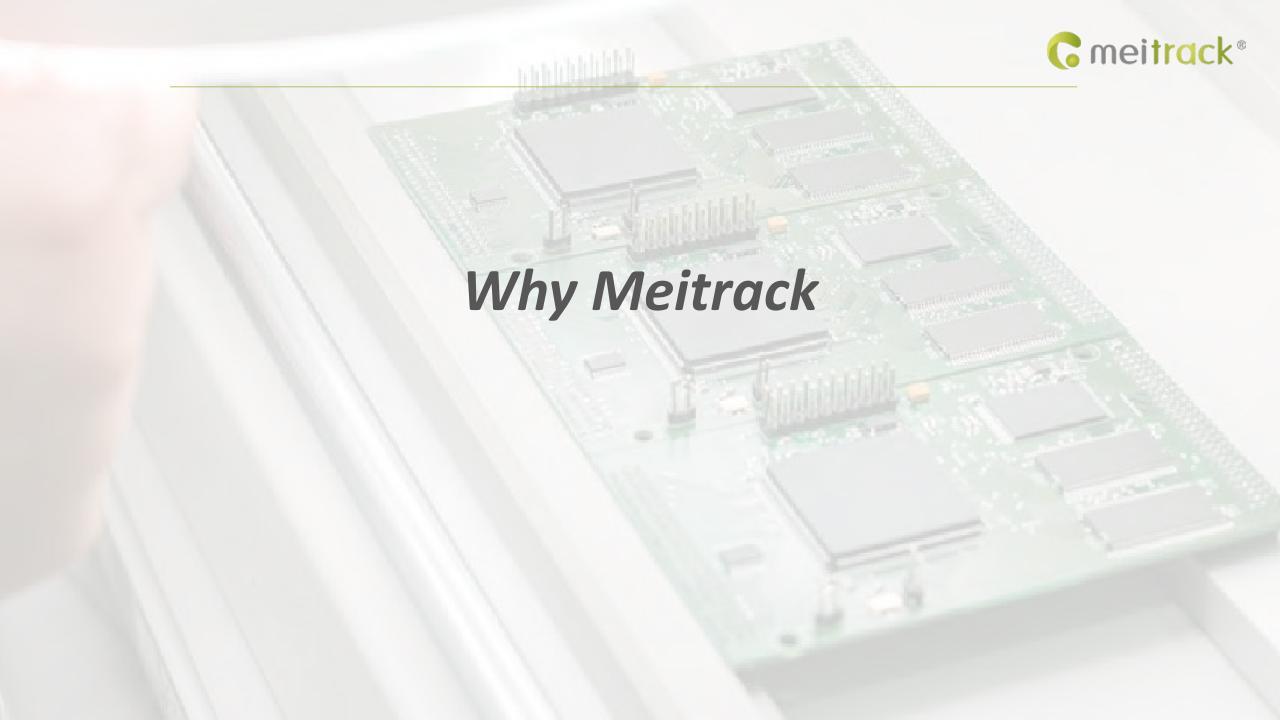


After the T622E/G-F9 data is uploaded to the server, managers can query the location and reports through the Meitrack platform

Advantages



Supports iridium satellites Supports data transmission worldwide using Iridium satellites Support GPS real-time positioning Real-time positioning SOS emergency alarm Drivers can trigger SOS alarms in emergencies Track playback The platform can replay historical tracks Iridium data alert Set a data limit to prevent data charges from exceeding the budget Multiple network modes Support GSM/Iridium satellite network automatic switching Customizable protocols Users can decide the upload parameters according to their needs Support for standard J1939 protocols **Supports CANBUS** Can connect RS232 accessories such as fuel level sensor RS232 Tow alarm Using G-sensor to detect tow alarm



Why Meitrack



Professional

Meitrack has been continuously developing in the GPS field for 20 years, the stability and functionality of the products have been tested by the market for a long time

Good Service

Meitrack's aim has always been to focus on the customer and to provide the highest quality service

Customizability

To provide customers with the functional customization to meet the needs of the project, it is not only a sense, but also a capability

Innovation consciousness

We are not afraid to push our limitations and are willing to innovate to adapt to the changing markets



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