

TRI LOGICAL™ AIRPORTS



GSE10 Advanced Telemetry Controller

The GSE10 is an advanced control and diagnostic device for mobile assets in an airport environment. This unit was specifically designed to be part of Tri-logical's AMAS (Airport Mobile Assets Solution) system and can be fully integrated with all GSE types.

The GSE10 is a result of years of accumulated experience. It is a third generation hybrid device that provides a variety of tools and capabilities to adhere to all your mobile assets management requirements.

Key features

Controller

- Remote asset control: Authorization by ID/fingerprint, location, alerts, remote disabling feature
- Support geo-fencing capabilities
- Certifications: FCC, CE

Diagnostic

- Integration to asset management systems: ACC, CanBus, Fuel, speedometer, etc.
- Integration to external sensors: ID reader, doors, etc.

Communication

- Support 2G/3G/4G network
- Bi-directional communication with unit
- Hybrid communication, cellular and satellite based
- GPS and GLONASS support
- Encryption of data (cyber security, optional)
- Over-the-air programming capabilities

Operational

- Ruggedized unit to fit airport environment
- Smart power consumption
- Remote blocking of GSE
- Support hundreds of authorized drivers (on-board list)
- Simple installation

Benefits:

- Safer usage of GSEs
- Balanced asset usage
- Designed for harsh environment and durable
- Enables reliable communication to central command
- Fast & easy to deploy

Technical spec

Physical Characteristics	
Dimension:	13.5*8*4.5 (CM)
Enclosure	Hardened plastic
Weight:	300 gr
Inputs / Outputs	
Digital inputs	5 (1 high, 4 low) Inputs for general use.
Frequency inputs	2 ADC 10 bit resolution
Digital outputs	3 for general use, active low
Status LEDs	6 status LEDs for GPS status, Cellular communication and more.
Power	
Power input	12V/24V
Components & interface	
GPS receiver	•Telit SI869 (GPS + GLONASS) •Origin org447x (GPS) •Telit HE910 (GPS/A-GPS)
Cellular modem	•Telit HE910 3.5G GPRS/GSM Quad Band. •CDMA2000.
SIM card	Micro SIM
Satellite modem	Iridium SBD 9603
USB	USB On The Go (master/slave)
Communications	UDP over GPRS, SMS messages, Voice
Accelerometer	3- Axis built in sensor,0.01G resolution
Car interface	RS485,R232, CANbus, ACC interface