

# GTrack

## Mobile Telematic Terminal



### Technical Specifications

#### Operating System & CPU

- Proprietary OS
- OTA Firmware Upgrade
- 256k FLASH, 64kB RAM
- Atmel® ARM7 32bit CPU

#### System Indicators

- Power LED – 1sec Blink normal mode
- GPS LED – 1sec Blink GPS fix
- GPRS LED – 1sec Blink GPRS Network Connected

#### GPRS System

- Siemens MC52i Quad band: EGSM 900, GSM 1800
- GPRS Mobile Station Class B
- GPRS Multi-slot Class 10
- SIM interface: 1.8V, 3V
- UDP/TCP-IP/SMS interface

#### GPS Performance

- U-Blox High Sensitivity LEA-5S
- 50 Channel Positioning Engine
- Module Circular Accuracy Position: 2.5m CEP (50%); <7.5m CEP (95%)
- Module Spherical Accuracy Position: 5m SEP (50%); <18m SEP (95%)
- Module Acquisition Sensitivity: -160dBm
- Module Tracking Sensitivity: -160dBm

#### Communication & Sensor Ports

- 2 Active-High Inputs (8 ~ 28Vdc)
- 4 Active-Low Inputs (<0.7Vdc)
- 3 Active Low Outputs (Open Drain, 250mA Max Sink)
- 2 Analog ADC Inputs (0 ~ 15Vdc)
- 1 External UART Interface

#### Power

- External Power Directly from Vehicle Fuse Box: 8 ~ 28Vdc
- GPS Active, GPRS Active Transmission: 60mA (average) @12Vdc
- GPS Active, GPRS Idle: <40mA @12Vdc
- GPS Idle, GPRS Idle: <25mA @12Vdc

#### Function

- Impact Detection Alert
- Idling Detection Alert
- Programmable Emergency Buttons
- Automatic remote data log backup through GPRS
- Door/Bonnet Detect
- Ignition Detect
- Hazard Light / Siren Control

#### Accessories (optional)

- Immobilizer relay
- Panic button

### Environmental

#### Operating Conditions

- Operating: -20°C to 60°C
- Storage: -20°C to 80°C

#### Dimensions & Weight

- 88 (W) x 65 (D) x 38 (H) mm
- 120g (Basic Configuration)