

NEXT Mini Trailer Trac

A compact battery-operated cellular GPS tracking device. The Mini Trailer Trac has very long battery life. It works on 2G & 4G networks.

Features:

- 2G or 4G Cat-M1/NB-IoT Modem
- Up to 1 year once-hourly updates
- Up to 7 years once-daily updates
- IP67 water and dust proof
- Rugged, robust and low profile
- Multiple battery options (replaceable AA/LTC batteries)
- Switch from “locate” to “track” over-the-air
- Battery meter for accurate battery



NEXT

More Technical Information

Mechanical Specifications	
Low-profile IP67 rugged housing	The IP67 rated housing is made of sturdy ABS/Polycarbonate plastic to survive bumps and knocks and to survive many years in the sun and weather. It's low profile together with mounting tabs and 'strap slots' allow for easy mounting
Dimensions	L 138 x W 72 x H 30mm
Operating Temperature	-20°C to +60°C1
	1) Board and housing -For operation in extreme temperatures, The Mini Trac must be fitted with LTC batteries. Batteries are affected by temperature extremes and typical performance is dependent on temperature
Power	
3 x AA Batteries	3 x AA Batteries
Input Voltage	16V Max
Battery Options	User replaceable batteries, multiple options: Lithium Iron Disulphide Readily available, low cost Lithium Iron Disulphide Batteries can be fitted. Lithium Thionyl Chloride (LTC) The device can be fitted with LTC batteries. LTC batteries offer lower rates of early failure and extended temperature tolerance.
GPS Tracking	
GPS and Cellular Antenna	Internal GPS and cellular antennas tuned by RF laboratories for optimal performance
GPS/GLONASS tracking	UBLOX EVA-M8 Concurrent GPS and GLONASS tracking 72 channel high sensitivity receiver -167dBm industry leading tracking performance
AssistNowOffline	AssistNowOffline aiding data for extremely fast time-to-first-fix and performance in urban canyon environments
Low Noise GPS Amplifier (LNA)	GPS signals are boosted by a special low-noise amplifier (LNA). This allows operation where normal units will fail to receive GPS signal –like in a container stack.
Firmware	
OTA Configuration	The device can be remotely configured and updated OTA (over the air). Device management is performed from Digital Matter's OEM Server device management platform.

Text Message Setup	The device can be sent text messages to set the APN, server and other details
Recovery Mode	The device can be remotely switched into Recovery Mode which switches the device to do live tracking and reporting –so that you can get your asset back
G-Force Events	The device can be remotely switched into Recovery Mode which switches the device to do live tracking and reporting –so that you can get your asset back
Geo-Fences	The Mini Trac has the capacity to hold hundreds of geo-fences that can be downloaded to it from the server and updated Over-The-Air. This information can be used to implement geo-fence-based alerting on the device, orto set alternate logging parameters when inside a geo-fence.
Adaptive Tracking	The Mini Trac can be set to use Adaptive-Tracking technology where the accelerometer and GPS data are used to intelligently work out if it is moving and to send frequent updates, and to scale the update rate down to once per day if the asset is stationary -to preserve battery life.
AES-256 Security	The Mini Trac uses bank-level AES-256 device authentication and data encryption to ensure that your data is kept private and secure.
After Hours	The device can be set to alert on after-hours activity, and to use alternate logging parameters
Other	
Flash Memory	Enough memory to store many weeks of records. Normally data is sent to the server immediately but if the device is out of range there is space to ensure no data is lost. There is the capacity for geo-fences to be loaded into flash memory and used for alerting on the device.
3-axis accelerometer	The 3-axis accelerometer allows The Mini Trac to ‘sleep’ in an ultra-low power state yet still wakeup when movement occurs. The accelerometer allows for High G-Force event detection (like assets being dropped or involved in accidents)
Battery Meter	A coulomb counter acts as a battery meter, tracking the energy consumption of the device. This enables an accurate battery percentage to be reported. The battery meter also allows accurate battery life predictions. Simply deploy the device in your application with the desired settings. The energy usage will be reported, enabling you to extrapolate to determine the battery life time.
Connectivity	
SIM Size	Micro (3FF) size cellular SIM card
2G Modem	2G: SARA-G350-02S-01 850/900/1800/1900 MHz
4G Modem	uBloxSARA-R410M Modem operates on all major global LTE-Cat-M1 and NB-IoT bands. These new low-power networks are specifically designed for IoT applications, providing great battery life. Supported LTE bands: 1-5, 6, 8, 12, 13, 17, 19, 20, 25, 26, 28
Certifications	
Certifications	Telstra Certified 4G Modem