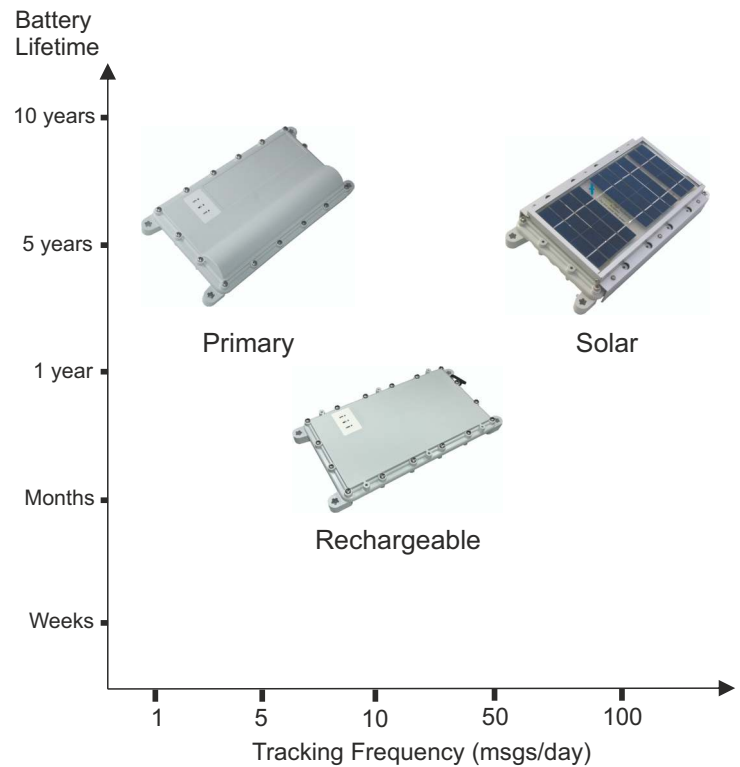
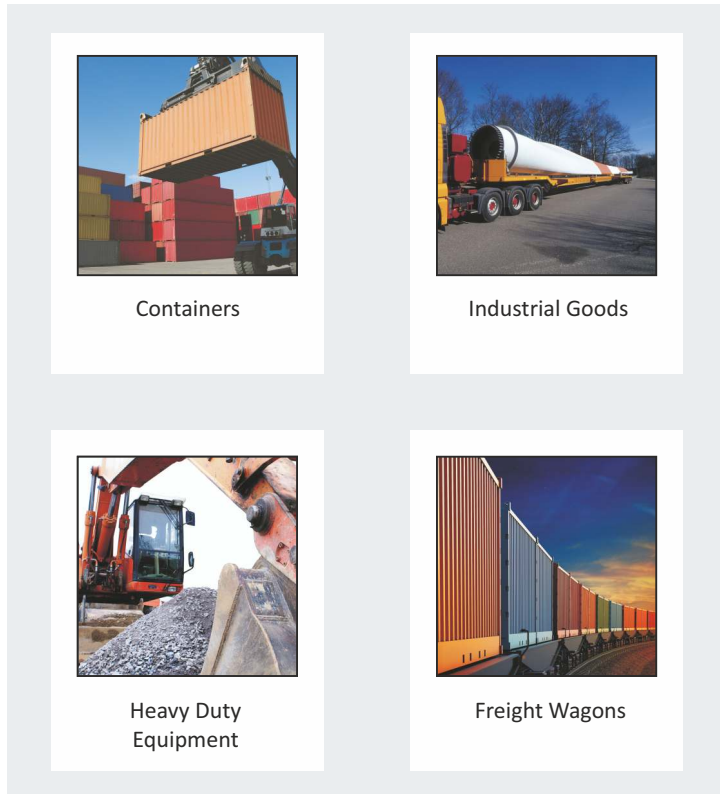


Maintenance-free Asset Tracking Devices



Long-Term Asset Tracking with Picotrack Endurance Devices

The importance of Asset Tracking applications is increasing as logistics and telematics service providers realize the need to improve supply chain visibility and the security / safety of logistics and other valuable assets. This can be achieved especially by adding continuous tracking solutions based e.g. on GPS or Glonass satellite positioning systems.

Asset Tracking applications provide the most business benefits if the tracking devices can reliably operate under varying environmental conditions over very long periods of time (e.g. several months or even several years) without the need for any maintenance.

The Picotrack Endurance devices are precisely designed to address these requirements. All products within this product family provide ultra-robust IP67 or IP69K enclosures, and can operate for several months to several years with the help of high-capacity batteries and intelligent power management algorithms. Solutions requiring low-frequency (a few times a day) to high-frequency tracking can equally be addressed by these devices.

Key benefits

- Ultra-robust devices with IP67 or IP69K grade housing for deployment under challenging environmental conditions.
- Completely maintenance-free devices enabled by long-term tracking over several months to several years and advanced 3-level watchdog system.
- Product portfolio addresses a wide range of application scenarios, from low-frequency (a few messages per day) to high-frequency tracking (hundreds of messages per day).
- Rapid installation enabled by fully integrated GSM and GPS antennas.
- GSM-based tracking when GPS is not available (e.g. inside warehouse, stacked depots, inside ships).
- Quickly evaluate quality and suitability of Picotrack Endurance products for your applications with the Telic Trial server.

Overview Datasheet Picotrack Endurance

Category	Features	Picotrack Endurance Rechargeable	Picotrack Endurance Primary	Picotrack Endurance Solar
Description	Picture			
	Short Summary	Asset tracking device with rechargeable battery, IP67 casing and battery lifetime of up to 1 year. Track large assets (containers, swap bodies, freight wagons,...) over long periods of time.	Asset tracking device with robust IP69K housing and battery lifetime up to 9 years. Track large assets (containers, swap bodies, freight wagons,...) over very long period of time.	Device with a rechargeable battery and a large high-performance solar panel which enables high-frequency multi-year asset tracking applications.
	Part Number	02003	02001	02009
Cellular	GSM/ GPRS	Quad Band	Quad Band	Quad Band
	GPS	●	●	●
	GLONASS	●	●	●
Software Features	Software Download Over The Air (DOTA)	●	●	●
	Geofencing	●	●	●
	Roaming Network support	●	●	●
	GSM Tracking	Device-based; 1000 msg / month; transmission of latitude / longitude + accuracy	Device-based; 1000 msg / month; transmission of latitude / longitude + accuracy	Device-based; 1000 msg / month; transmission of latitude / longitude + accuracy
Hardware	Housing	Robust & waterprotected design	Robust & waterprotected design	Robust & waterprotected design
	IP Protection Class	IP67	IP69K	IP67
	GSM & GPS Antenna	Internal	Internal	Internal
	Integrated 3D Accelerometer	Motion detection	Motion detection	Motion detection
	Solar Panel			Size: ~165 cm ² ; Recharging Current: 500 mA
	SIM Card Reader	Robust Reader (1,8/ 3V)	Robust Reader (1,8/ 3V)	Robust Reader (1,8/ 3V)
	Status Indicators	3 LEDs (GSM; GPS; Battery)	3 LEDs (GSM; GPS; Battery)	3 LEDs (GSM; GPS; Battery)
	Mounting	Various options, including screw mount & magnet mount	Various options, including screw mount & magnet mount	Various options, including screw mount & magnet mount
	NFC	64-bit UID @ 13,56 MHz	64-bit UID @ 13,56 MHz	64-bit UID @ 13,56 MHz
	Type Approvals	CE	CE	CE
Battery	Battery Capacity	13,8 Ah (LiPo Rechargeable)	12,6 Ah (Primary Cell)	13,8 Ah (LiPo, Rechargeable)
Hardware Characteristics	Dimensions	230 x 130 x 30 mm	230 x 130 x 41 mm	230 x 130 x 42 mm
	Operating temperature	-20°C to +60°C	-30°C to +75°C	-20°C to +60°C
	Recharging temperature	0°C to +45°C	-	0°C to +45°C
	Weight	~ 550g	~ 550 g	~ 1000 g