

The MariTraq3MT is a feature rich tracking device that enables tracking for both maritime and land based assets operating within GSM coverage. This new device utilises the latest GSM enabled technology to deliver market-leading performance.

Ideal for tracking fishing boats, yachts, barges, inland watercraft and onshore assets, MariTraq3MT operates on any GSM (3GPP) network and has a range of up to 20 miles out to sea.

 **Choose MariTraq3MT**

- Primary and secondary GSM network capability
- Logs up to 1,000 updates when out of network range
- Logs 100 incoming/outgoing status messages
- Bluetooth enabled to connect to mobile phone
- External power source with internal battery
- Deep Sleep mode power saving/timer control
- Last-In-First-Out (LIFO) data and status log download
- Over The Air (OTA) upgrades
- Internal GSM and GPS antennas as standard
- External antennas option to increase range
- Two external general-purpose analogue inputs
- Two external general-purpose digital outputs



Technical features

Power Supply	+8 to +36 VDC	Reverse Polarity Protection (Diode) Voltage Transient (Lightning) Protection Electrostatic Discharge Protection
Internal Battery Charger & Backup	Linear Technology Li-Po Charger Li-Ion / Li-Po Charge +6 VDC – 36 VDC Battery Charger and Power Backup Manager	Programmable Charge Current Battery Temperature monitor while Charging 4.1 V Battery Charge Voltage
Internal USB Battery Charger	Internal Charger Li-Ion/LiPo USB Compatible Battery Charger System with Integrated Power Switch	NTC / PTC Thermistor Interface for Battery Temperature Monitoring & Protection
Global IoT Connectivity & Integration Platform	Protocol Bearer JSON GSM (GPRS)	Transport Security 3GPP 3GPP
SIM	Dual Nano-SIM Holder, Push-Push & Flip-top	
Navigation	Quad-band GSM/GPRS/GNSS Module with BT4.0 GNSS Features GPS L1 Band Receiver (1575.42MHz); GLONASS L1 Band Receiver (1601.71MHz);	TTF @-130dBm: Cold Start: <35s Warm Start: <5s Hot Start: <1s Acquisition: -149dBm Sensitivity: Tracking: -167dBm Reacquisition: -161dBm

Environmental

Temperature	Operating: -20 to +85 °C	Storage: -40 to 125 °C
Humidity	Operating: 5 to 95% RH, noncondensing IP68 case option	Storage: 5 to 90% RH, noncondensing
Use	Tracking and monitoring device	

All maritraq Quad-band Solutions meet the following essential requirements of applicable European Directives, EMC standards, and safety standards

ETSI EN 301 489-1 V2.1.1 (2017-02) 'Electromagnetic compatibility and Radio Spectrum Matters (ERM)'
ETSI EN 301 489-3 V2.1.1 (2013-06) 'Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz'
ETSI EN 301 489-17 V3.1.1 (2017-02) 'Specific conditions for Broadband data transmissions systems'

ETSI EN 301 489-52 V1.1.0 (2016-11) 'Specific conditions for Cellular Communications Mobile and portable (UE) radio and ancillary equipment'

EN 55032 / CISPR 32 Radiated Emissions
EN 55032 / CISPR 32 Conducted Emissions DC Input Power
EN / IEC 61000-4-2 Immunity to Electrostatic Discharge
EN / IEC 61000-4-3 Immunity to Radiated Electromagnetic Fields
EN / IEC 61000-4-4 Immunity to Electrical Fast Transient
EN / IEC 61000-4-6 Immunity to Conducted Disturbances



Waste Electrical and Electronic Equipment (WEEE)

Waste products should be disposed of separately from municipal household waste according to WEEE Directive 2002/96/EC of the European Parliament and the Council on waste electrical and electronic equipment (WEEE).

Dimensions

