



# gtt systems

global tracking & tracing systems

## GTTS-3000

# The most cost effective Iridium Short Burst Data Transceiver with GNSS

The **GTTS-3000** is the most cost effective Iridium Short Burst Data (SBD) transceiver with GNSS positioning for the Maritime Market.

Robustness, Reliability, Long Lasting and a Low Cost price were the keywords during the design of this versatile device. There is a wide range of options available to accommodate a lot of maritime applications.





### Global coverage

True global coverage guaranteed.

## GTTS-3000 Iridium Short Burst Data Transceiver



### Reliable

Only 1 communication provider for global coverage, thus maximum reliability.



### No unexpected costs

No roaming costs among providers, thus predictable costs.

### Product Overview

The GTTS-3000 transceiver was developed to track & trace sea going Vessels and offer a true Global SBD two way communication channel. Special care has been taken in the selection of materials, the construction and the various mounting possibilities for optimum performance in a maritime environment. A wide range of options are available to fit most of the customer's needs.

### Applications

- Support for Electronic Charts (ECDIS)
- Tracking & tracing of all kinds of vessels, dredgers and marine equipment
- Shore Support M2M applications
- General M2M Monitoring and Control

### Product Specifications

#### Physical

|                                    |                            |
|------------------------------------|----------------------------|
| Size overall (LxBxH)               | 19x18x9 cm                 |
| Height above mounting rail or deck | 2 .. 7.5 cm                |
| Magnets Holding Force              | 1240N (~124 Kg)            |
| Mounting Hardware                  | Stainless Steel 316 and A4 |
| Cover UV and Salt water resistant  | PMMA/ABS                   |

#### Environmental

|                       |               |
|-----------------------|---------------|
| Operating Temperature | -40 .. +85 °C |
| Storage Temperature   | -40 .. +85 °C |
| Ingress Protection    | IP-67 / IP-68 |

#### Electrical

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Working Voltage                   | 12 .. 24 Volts DC (8Vmin .. 36V max) |
| Power consumption average Receive | <50mA@12V / <25mA@24V                |
| Power consumption during Transmit | <150mA@12V / <75mA@24V               |
| Heater Optional                   | (5W)                                 |
| Backup Battery Optional           | (7.4V / 2200mAh)                     |

#### Interface

|  |                             |
|--|-----------------------------|
| Serial port I/O                          | RS-485 / RS-422 (115k2 max) |
| 1 Opto Coupled digital Input             | 5 .. 24V DC                 |
| 1 Analog Input                           | 0..30V@12bit ADC            |
| 1 Output Open Collector Protected Mosfet | 0.7 Amps / 60V DC (Sink)    |
| WiFi                                     | Optional                    |

#### Communication

|                               |                            |
|-------------------------------|----------------------------|
| Iridium Satellites            | Short Burst Data           |
| Transmission delivery         | Direct IP and/or E-mail    |
| Iridium RX/TX Antenna         | Integrated Patch Antenna   |
| GNSS Positioning              | GPS, GLONASS, GALILEO      |
| GNSS RX Antenna               | Integrated Patch Antenna   |
| GSM/GPRS Optional             | 2G modem                   |
| GSM/GPRS SIM card and Antenna | Integrated in outdoor unit |