

## GTTS-3000

Cost-effective Iridium Short Burst Data transceiver designed specifically to address the needs of the maritime market



### Overview

The GTTS-3000 is a robust, reliable and cost-effective solution for Short Burst Data (SBD) applications in the maritime market. With the global coverage provided by the Iridium network, the GTTS-3000 offers the versatility required to support a range of diverse uses at sea.

### Range of options for maritime deployment

The GTTS-3000 has been designed with versatility in mind and provides a wide range of configuration options to accommodate a spectrum of maritime deployment scenarios.

### Designed for long-term use at sea

The GTTS-3000 was developed to support track and trace applications at sea and offers a global SBD two way communication channel. From inception, the GTTS-3000 was designed for long-term use at sea and benefits from a carefully selected range of materials, robust construction and a wide range of mounting options.

### A range of options to suit individual needs

The GTTS-3000 offers a range of customisation options to fit individual needs, making it an ideal solution for maritime applications such as tracking and tracing of vessels, dredgers and marine equipment, shore support M2M applications and general M2M monitoring and control.

### Details

Manufacturer:	• gtt systems
Network:	• Iridium
Device Type:	• Tracker
Markets:	• Tracking

---

## Technical Specs

---

### Product Specifications

#### Physical

- Size: 19x 18x 9cm
- Height above mounting rail or deck: 2 - 7.5cm
- Magnets holding force: 1080N (~108kg)
- Mounting hardware: Stainless Steel 316
- Cover UV and Salt Water resistance: PMMA/ABS

---

#### Sensors

- Interface: Serial port I/O: RS-485/ RS-422 (115k2 max)
- 1 Opto Coupled digital input: 5-24VDC
- 1 Analogue input: 0.30V@12bit ADC
- 1 Output Open Collector Protected Mosfet: 0.7 Amps / 60V DC (Sink)

---

#### Satellite

- Iridium Constellation: True Global Coverage
- Frequency: 1616-1626.5 MHz
- Transmission: Short Burst Data TDMA/ FDMA
- Communication: Direct IP and/ or email
- Iridium RX/ TX antenna: Integrated patch antenna
- GPS (L1band): Fastrax IT-500
- Accuracy: 1.8m
- GPS RX Antenna: Integrated patch antenna

---

#### Physical

- Reflector Size: 77x 72cm
- Weight: 33.5lb; 15.2kg (with transceiver and universal wall mount)

#### Environmental

- Operating Temperature: -40 to +65C
- Storage Temperature: -40 to +65C
- Humidity: 100%

---

#### Electrical

- Working Voltage: 12 - 24 VDC (8V min - 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)
- 

---

#### Inter-Facility Link (IFL) Cable

- Type: RG-6, 75 Ohm
- Connector: F (male)
- Length (max): 60m