










# Ship Security Alert System

**FMT-SSAS-V1 [Type Approved]**

## ONE HARDWARE **SEVEN FUNCTIONALITIES**

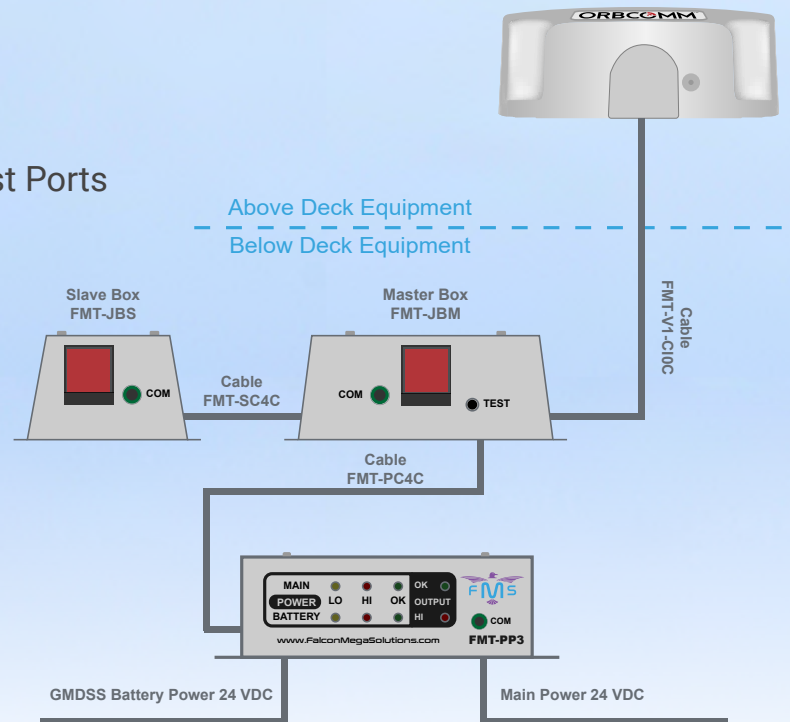
FMT-SSAS-V1 is an advanced Ship Security Alert System, consists of OrbcComm ST6100 Terminal, with global satellite connectivity over the IsatData Pro network.

FMT-SSAS-V1 is equipped with enhanced support for global navigation systems: **GPS, GLONASS, and BeiDou**, ensuring continuous and secure positioning even in challenging conditions such as signal spoofing or jamming.

-  SOS Alert
-  Tracking (Time-based & Distance-based Tracking)
-  Geofencing
-  V-Mail (Compressed Email Solution)
-  Route Monitoring
-  Live Weather Map
-  Dual Power Supply

## Unmatched Vessel Tracking Capabilities

- ▶ **Type Approved Hardware, and Global Coverage of Inmarsat**
- ▶ **Multi-Constellation Navigation Support (GPS, Glonass, BeiDou)**
- ▶ Prepaid Airtime System & Usage Report
- ▶ **Live Weather Map and Forecasting**
- ▶ Two Years Tracking History
- ▶ Distance and Bearing from 5 Nearest Ports
- ▶ Astronomical Calculations
- ▶ Quick Activation
- ▶ E-Mail Support (V-Mail)



## Hardware Specification

### Satellite Terminal

**Make** Orbcomm

**Satellite** Inmarsat, Two-way, ISatData Pro Satellite Service, Global Coverage

### Electrical

**Input Voltage** 12 to 30V DC  
 Rx: 45mA, with GPS: 60mA  
**Power** Tx: 0.75A  
 Sleep: 100 micro A

### Environmental

**Operating Temp:** -40C to +85C  
**Dust/Water Ingress:** IP67  
 SAE J1455  
**Vibration:** (Sec 4.9.4.2 fig 6-8);  
 MIL-STD-810G (Sec 514.6)  
**Shock:** MIL-STD-810G (Sec 516.6)

### Certification

**Type Approval** Polish Register of Shipping (PRS)

**Regulatory** CE (R&TTE, RoHS 2), FCC, IC, Anatel, MSS Russia, SRRC, RCM Mark, IEC 60945, C1D2

### GPS/Glonass/Beidou

**Elevation Angle** -15 to +90 Deg  
**Acquisition time** Hot: 1 second;  
 Cold: 29/30 seconds  
**Accuracy** 2.5m/4.0m CEP-Horizontal

