



Marine Asset Tracker

FMT-MAT-V1

ONE HARDWARE *SIX FUNCTIONALITIES*

FMT-MAT-V1 is an advanced tracking System, consists of Orbcomm ST6100 Terminal, with global satellite connectivity over the IsatData Pro network.

Marine Asset Tracker (FMT-MAT-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.



Tracking (Time-based & Distance-based Tracking)



Geofencing



V-Mail (Compressed Email Solution)



Route Monitoring



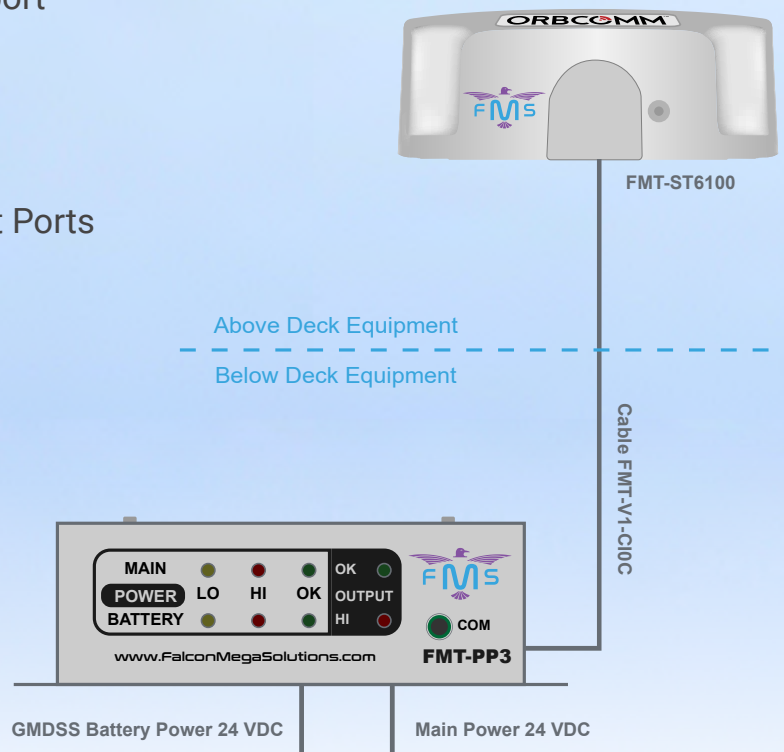
Live Weather Map



Dual Power Supply

Unmatched Vessel Tracking Capabilities

- ▶ **Inmarsat Type Approved, 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 Inmarsat, IP67

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

