

SIRIUS TITAN



TITAN is a tactical grade Integrated GNSS/INS navigation system which exploits high accuracy FOD inertial sensor. Taking advantage of sophisticated Kalman filter based navigation algorithms and GNSS receiver, system output real time calibrated inertial data in addition to position, velocity, and attitude information with high performance and frequency.

KEY SPECS

- Multi GNSS Support (GPS L1/L2, GLONASS L1/L2, GALILEO E1, BEIDOU B1)
- Advanced Navigation Algorithms
- Hot Start
- Self initialization and Alignment
- Calibrated Dynamic Sensor Performance

INTERFACE

- RS422 (up to 1Mbit baudrate)
- Time Synchronization: 1PPS
- Voltage: 9-36V
- Environmental: MIL-STD-810G
- Weight: < 3kg
- Dimensions: 197x165x141 mm

PERFORMANCE METRICS

- Horizontal Position Accuracy < 1.5 m
- Vertical Position Accuracy < 3 m
- Velocity Accuracy < 0.02 m/s
- Roll & Pitch Accuracy < 0.02°
- Yaw Accuracy < 0.05° (when dynamic and GPS available)
- Self-Initialization Time < 20 mins (quasi-stationary conditions when GPS available)

