

SDT-SIRIUS MIMAS



SRSMEGI is an Integrated GNSS/INS navigation system which exploits high accuracy MEMS 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

PERFORMANCE METRICS

- Horizontal position accuracy < 1.5 m
- Vertical position accuracy < 3 m
- Velocity accuracy < 0.02 m/s
- Roll & Pitch accuracy $< 0.1^\circ$
- Yaw accuracy $< 0.2^\circ$ (when dynamic and GPS available)

INTERFACE

- RS422 (115200 baudrate)
- Time Synchronization: 1PPS
- Voltage: 18-32V
- Environmental: MIL-STD-810G
- Weight: < 1 kg
- Dimensions: 112x93x93 mm (Also with different form factors)



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