SPRINT MARINE

Key Features

- Multi-GNSS operation with selectable GNSS constellation

- Auto-pilot sentence generation

- Built-in Automatic Identification System (AIS)

- MIL STD (810 G) and IP65

Marine Grade GNSS Receiver

Based on advanced technology Multi-GNSS navigation engine, SPRINT-Marine fulfills marine specific positioning requirements. Ruggedized design of SPRINT-Marine receiver makes it an ideal choice to operate in harsh weather conditions.

SPRINT-Marine is also capable of supporting multiple constellations, particularly including BeiDou, in addition to existing constellations of GPS and GLONASS.

SPRINT-Marine receiver also support positioning operations even in weaker signal scenarios through high sensitivity signal processing.

Standard Features

- Meter level standard position accuracy

- Built-in dual channel AIS receiver

- Serial and Ethernet interfaces for data connectivity

- Military grade ruggedness

SUPARCO

PAKISTAN SPACE AND UPPER ATMOSPHERE RESEARCH COMMISSION

SPRINT MARINE

Marine Grade GNSS RECEIVER

Technical Specifications

Performance

- Supported Constellations:
    - GPS
    - BeiDou
    - Galileo
    - GLONASS
- Position Accuracy: 2.5 m CEP
- Acquisition Time: 60 s
- Navigation Update Rate: 1 Hz
- Sensitivity: -167 dBm (Tracking)
- AIS: dual Channel AIS Receiver

Interfaces

- Output Ports:
    - 3x RS-232
    - 2x RS-232
    - 1x RJ45
- Baud Rate: Configurable (1200-115200)
- Data Protocol/Sentences:
  NMEA (GGA, RMC, GSV, GLL, VTG, APB, BWR, XTE, ZDA)

Physical

- Input Voltage: 18 to 32 VDC
- Power: 15 W max
- Operating Temperature: 0°C to +55°C
- Storage Temperature: 0°C to +70°C
- Size: 15 cm x 21 cm x 6 cm

Packaging

- Mil spec ruggedness (Mil-Std-810G)
- Marine Ingress protection (IP-65)