



ST 6100

Choose the simple to install ORBCOMM ST 6100 when you need a powerful and versatile tracking device to reliably monitor and control assets and deliver communications even in some of the world's most remote regions

KEY BENEFITS

- / Supplied ready for simple installation
- / Near real-time tracking for enhanced fleet intelligence
- / Rugged & reliable, and engineered for extreme conditions
- / Two-way satellite connectivity
- / Low look angle engineered for marine applications
- / Compatible with our vessel tracking suite of solutions

Combining the reliability of a dedicated device with the benefits of the latest IsatData Pro satellite technology, the ST 6100 offers two-way communications, low latency, and near real-time reporting capability.

Ruggedised and versatile, the ST 6100 features an environmentally sealed enclosure and low-elevation angle antenna. It is one of the most reliable and low-maintenance terminals in Pole Star's range.

The ST 6100 is ideal for charterers, as well as powered assets such as support vessels, tugs, workboats and fishing vessels.

ST 6100 TECHNICAL SPECIFICATIONS

Physical

Overall dimensions	12.6 x 12.6 x 4.9 cm
Weight	315g

Environmental

Temperature range	-40°C to +85°C (operating and storage)
Vibration	SAE J1455 (Sec 4.9.4.2 fig 6-8); MIL-STD-810G (Sec 514.6)
Environmental rating	IP67

Position reporting

Automatic position reporting	Yes
Change reporting interval	Yes
On-demand position reporting	Yes

GPS / Glonass / Beidou

Acquisition time	Hot: 1 second; Cold: 29/30/36 seconds
Accuracy	2.0m CEP
Sensitivity	Acquisition: -148 dBm; Tracking: -163 dBm

Power

Input voltage	9 to 32 V
Power consumption (typical @ 12 V dc, 22° C)	Receive: 65 mA; Transmit: 0.65 A GPS/Glonass/Beidou Receive: 22mA Sleep: 100 µA

Satellite

Satellite service Two-way | Global | Inmarsat IsatData Pro

Coverage



Frequency range	Rx: 1518.0 to 1559.0 MHz Tx: 1626.5 to 1660.5 MHz; 1668.0 to 1675.0
EIRP	< 7.0 dBW
Elevation range	-5° to + 90°

Certification / Compliance

Regulatory	CE, FCC, IC, Anatel, RCM Mark, IEC 60945, C1D2, SRRC, IFT, ICASA, FFA
Pending	MSS Russia
Others	Inmarsat Type Approval, IP67