ST 6100

The next generation satellite terminal—more powerful, more versatile, more coverage

Reliably track, monitor and control assets in some of the word's most isolated regions

ORBCOMM's ST 6100 satellite terminal delivers complete visibility and control of industrial assets operating in remote areas. The versatile, environmentally sealed ST 6100 can be installed on mobile assets such as light-and heavy-duty commercial vehicles, railcars, fishing vessels, heavy equipment and more. And with two-way satellite connectivity, the ST 6100 is ideal for remotely monitoring and controlling fixed and portable assets used in SCADA applications such as those in the energy sector, where access may be restricted, including pipelines, flow meters, pumps, generators and tanks.

Easy integration
ORBCOMM makes it easy to bring IoT solutions to market. The fully programmable ST 6100 includes comprehensive resources to facilitate integration into a wide range of custom solutions. The resources include development, testing and production environments, documentation, code samples, device-level configurable applications and free technical support.

Global satellite connectivity
The ST 6100 delivers reliable global communications over the IsatData Pro satellite service for uninterrupted visibility of operations and access to business-critical field data in even some of the world's most remote locations. And because of its two-way connectivity, users can remotely control assets without sending workers to the field.

Comprehensive feature set
ORBCOMM's next generation ST 6100 leverages the latest technology advancements to offer enhanced functionality at great value. The internal antenna features exceptional low elevation angle performance, allowing one device to support both terrestrial and maritime applications. The terminal also features a built-in accelerometer, expanded memory capacity, and enhanced support for global navigation systems—GPS, Glonass and Beidou.

Fully programmable

Two-way satellite communications

Ruggedized and versatile

Where to Buy:

PT. Mitrasarana Utama Indonesia | Hotline phone : +6281221297339

Satellite communication
- Satellite service: two-way, Global, IsatData Pro
- From-mobile message: 6,400 bytes
- To-mobile message: 10,000 bytes
- Typical latency: <15 sec, 100 bytes
- Elevation angle: -5° to +90°
- Frequency: Rx: 1518.0 to 1559.0 MHz;
  Tx: 1626.5 to 1660.5 MHz;
  1668.0 to 1675.0 MHz
- EIRP: <7.0 dBW

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

Certification
- Regulatory: CE, FCC, IC, Anatel, RCM Mark, Mexico;
  Pending: FFA, MSS Russia, SRRC, Philippines, Korea,
  IEC 60945, C1D2
- Others: Inmarsat Type Approval, IP67

Electrical
- Input voltage: 9 to 32V; Load dump protection: +150V;
  SAE J1455 (Sec. 4.13)
- Power consumption (typical average @12V DC, 22°C):
  - IDP Receive: 65 mA;
  - GPS/Glonass/Beidou Receive: 22 mA;
  - Transmit: 0.65 A;
  - Sleep: 100 µA

Dimensions
- 12.6 cm x 12.6 cm x 4.9 cm

External interfaces
- Inputs/outputs: 4 analog or digital in/out
- Serial: RS-232; RS-485

Environmental
- Operating temperature: -40°C to +85°C
- Dust and water ingress: IP67

- Vibration: SAE J1455 (Sec 4.9.4.2 fig 6-8);
  MIL-STD-810G (Sec 514.6)
- Shock: MIL-STD-810G (Sec 516.6)

Accelerometer
- 3-axis accelerometer

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www.monitorkapal.com