PT 7000

Cellular or dual mode satellite-cellular telematics for heavy equipment and construction.

Complete visibility and comprehensive machine data to manage your fleet anywhere in the world.

The PT 7000 is designed to track heavy equipment assets in the most demanding environments in the world. As part of a comprehensive telematics solution that can include cellular and satellite connectivity, sensors and a cloud application, the PT 7000 delivers actionable data to fleet managers, giving them complete visibility of operations and enabling informed decision making.

Advanced communications
The PT 7000 features 4G LTE (3G/2G fallback) cellular connectivity, with optional dual mode satellite connectivity giving you choice and flexibility ensuring that you stay connected. Satellite connectivity ensures that you can communicate with your machines, in the most remote locations, almost anywhere in the world.

Diverse interface support
The device features two primary interfaces, 3-wire and CANbus. To maximize use case applicability, it supports multiple digital and analog inputs, digital outputs, RS-232 and Bluetooth for wireless sensors and installation, verification and troubleshooting plus a built-in accelerometer.

Multiple reporting modes
The PT 7000 supports multiple modes of operation including interval and scheduled reporting, on-demand/page checks, condition-based reporting and pre-defined alert triggers to allow the ultimate in reporting flexibility.

Designed to operate in harsh environments
The ruggedized PT 7000 is designed to operate under extreme environmental conditions, with resistance to dust, water, shock and vibration to ensure uninterrupted connectivity regardless of the environment. Battery back-up enables reporting for up to a month when disconnected from power.

Flexible and versatile
The PT 7000 is available as a turnkey solution with ORBCOMM's FleetEdge heavy equipment fleet management web application and multi-network connectivity. APIs are available to facilitate integration into proprietary or third-party applications.

4G LTE cellular and optional satellite communication

Diverse interface support

Multiple reporting modes

Extremely rugged

Onboard geofences

Backup battery

Communications
- 4G LTE Cellular (3G/2G fallback)
- Optional satellite support (IsatData Pro or OG2)
- External cellular and satellite antennas

GNSS
- GPS, Glonass, Beidou, and/or Gallileo

Poll response time
- 2-3 minutes

Certifications
- PTCRB
- Inmarsat Type approved
- ORBCOMM Type approved
- FCC, IC, CE
- RoHS compliant

Electrical
- Input Voltage: 9V - 32V DC
- Protection: load dump, reverse polarity
- Backup battery – up to 30 days at 2 messages per day

Dimensions
- 7.5 x 4.3 x 1.5 inches
- 19.1 x 10.9 x 3.8 cm

Interfaces
- 3- Wire
- CAN Bus (up to 2)
- RS-232 (up to 2)
- Digital inputs: 4
- Digital outputs: 2 pull-up, 2 pull-down
- Analog inputs: 4
- Bluetooth
- Accelerometer
- Indicator LEDs

Connectors
- RF: FAKRA SMB
- Baseband: Delphi 24-pin
- Integrated cable management
- Color coded antenna connections with strain relief

Environmental/Mechanical
- Operating temperature
  - » *External Power: -40°C to +85°C*
  - » *Battery Operation: -30 to +60*
- Polycarbonate; IP67 rated
- Dust and water ingress: IP67
- Vibration: SAE J1455, MIL-STD-810F
- Shock: MIL-STD-810G

Accelerometer
- 3-axis

Reporting
- Interval Position
- Motion Start/Stop
- Condition-based
  - » *Fault codes*
  - » *Engine/Idle hours*
  - » *Fuel consumption*
  - » *Battery voltage*
  - » *Antenna connect/disconnect*
  - » *Geofence*
- Pre-defined event triggers

Device (Re)Configuration
- Firmware updates via cellular or RS-232 diagnostics port
- Remote device configuration updates via cellular
- Local device configuration wirelessly through field support tool

CALL: 1.800.ORBCOMM   EMAIL: SALES@ORBCOMM.COM   VISIT: WWW.ORBCOMM.COM

ORBCOMM is a global leader and innovator in the industrial Internet ofl Things, providing solutions that connect businesses to their assets to deliver increased visibility and operational efficiency. The company offers a broad set of asset monitoring and control solutions, including seamless satellite and cellular connectivity, unique hardware and powerful applications, all backed by end-to-end customer support, from installation to deployment to customer care. ORBCOMM has a diverse customer base including premier OEMs, solutions customers and channel partners spanning transportation, supply chain, warehousing and inventory, heavy equipment, maritime, natural resources, and government. For more information, visit www.orbcomm.com.

050419A

CONNECTING THE WORLD'S ASSETS