

PT 6000

Complete reefer management

Two-way monitoring and control of refrigerated trailers, containers and railcars used in the transportation and distribution industry



ORBCOMM's PT 6000 enables comprehensive fuel and temperature management, maintenance, logistics and regulatory compliance for refrigerated transport assets. Available as a cellular or dual-mode satellite-cellular version.

As part of a comprehensive telematics solution that includes sensors, connectivity and the CargoWatch application, the PT 6000 enables complete visibility and control of cold chain operations to help ensure the integrity of temperature-controlled cargo as it moves along the supply chain.

Two-way communications

Remotely set reefer temperature, change reefer state, initiate a defrost and more with two-way commands.

Alarms and notifications

Receive real-time alarms when specific conditions are detected—an active reefer is turned off, cargo area temperature deviates from the set points or does not match values specified by the order, an asset enters or exits a geofence, rapid fuel loss is detected and more.

Feature-rich

The PT 6000 is compatible with every type of refrigerated unit for seamless installation and utilization. The device supports up to 3 temperature sensors to accommodate reefers with multiple zones and a rechargeable battery that reports for up to 10 days (depending on reporting frequency) when no vehicle power is available.

ORBCOMM's PT 6000 is compact and has been built to operate in harsh environments. The device can be installed on the wall of a refrigerated trailer or inside a reefer cabinet. External LEDs communicate real-time status to facilitate installation and troubleshooting. A second serial port integrates additional RS232 sensors and systems.

Third-party integration

Fully integrated with third-party dispatch and in-cab software providers including Innovative Computing Corp, TMW systems, McLeod Software, Add On Systems, PeopleNet, SSI and Prophecy.

Comprehensive temperature, fuel and maintenance management

Two-way monitoring and control

Easy to install

Multi-temperature zone support

Event-based alarms

Rugged and small form factor

**Direct interface to refrigeration transportation units**

- Carrier Transicold Vector, APX, standard, advance
- Carrier Transicold Multi-Temp (standard, vector)
- Carrier Solara
- Thermo King SR3, SR2, μ PIV, μ PV, μ PVI
- Thermo King μ PT straight truck/multi-temp
- Thermo King Multi-Temp (Spectrum μ PIV, SR2)
- Thermo King TGV, TGV1 (Standalone)

Communications

Cellular and satellite-cellular

Alert delivery time

30 seconds typical

Poll response time

2-3 minutes typical

Power input range

9v - 16v DC

Sensors/optional sensors

- GPS, fuel, door open/closed, tethered
- Remote or independent temperature probes, movement/stationary, engine hours
- Door lock/unlock

Monitoring and control functions

- Microprocessor alarms (critical, non-critical)
- Change set point
- Remote on/off (if equipped)
- On/off event reporting
- Change Mode of Operation
- Change controlling sensors

- Clear alarms
- Run pre-trip
- Intellisets/opti-sets
- Remote configuration parameters
- Temperature profile graph
- Control scheduler
- Group commands

Other functions

- Fuel usage
- Remote firmware updates
- Refrigerated asset performance monitoring

Operational temperature range

-40C to +70C

Dimensions

7.5"x 4.3"x1.5"

Enclosure

Polycarbonate; IP67 rated

Network

Web exception reporting, notifications via email/wireless device, tracking and tracing Integration, EDI intermodal 204/222/301/404/417/322 network compliant

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