



PT 6100

Complete reefer monitoring and control.

Comprehensive fuel and temperature management, maintenance, logistics and regulatory compliance for refrigerated trailers, containers and railcars. The PT 6100 enables complete visibility and control of cold chain operations to help ensure the integrity of temperature-controlled cargo.

Get alarms when an active reefer is turned off, cargo area temperature deviates from the set points or doesn't match the order, an asset enters or exits a geofence, rapid fuel loss is detected and more. Remotely set reefer temperature, change reefer state, initiate a defrost and more.

The device is compatible with every type of refrigerated unit for seamless installation and utilization. It supports up to three temperature sensors to accommodate reefers with multiple zones and a rechargeable battery that reports for up to ten days when no vehicle power is available.

The PT 6100 also features a bi-directional Bluetooth low energy (BLE) with advanced range to support VIACHAIN wireless sensors and the Field Service Tool app for easy installs.

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 Prophesy.

Easy to install

Multi-temperature zone support

Event-based alarms

Rugged and small

Support for BLE Tractor ID and Field Support Tool

Specifications

Direct interface to refrigeration transportation units

- Carrier Transicold Vector, APX, standard, advance
- Carrier Transicold Multi-Temp (standard, vector)
- Carrier Solara
- Thermo King SR4, SR3, SR2
- Thermo King Multi-Temp (Spectrum µPIV, SR2)

Communications

- Cellular 4G LTE (4G, 3G, 2G)

Alert delivery time

- 30 seconds typical

Poll response time

- 2-3 minutes typical

Power input range

- 12v - 24v DC

Optional sensors

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

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

Other Functions

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

Operational temperature range

- -40°C to +70°C

Dimensions

- 7.5 x 4.3x1.5 inches

Enclosure

- Polycarbonate; IP67 rated

Network

- Scheduled reporting and notifications via email/wireless
- Device tracking and tracing Integration, EDI intermodal
- 204/222/301/404/417/322 network compliant
- Full API service available

Certifications

- PTCRB
- CE

Connections

- RS232
- RS485
- BLE 5.0

Although we strive to ensure accuracy in all of our published specifications, actual field performance can vary depending on a variety of environmental, installation and usage factors, as well as third-party factors such as cellular providers. The specifications listed are approximations, and do not constitute binding statements or modify the terms and conditions of purchase or lease including, but not limited to, product operational limitations and warranties. All specifications are subject to change without notice. Please check www.viachain.io to ensure you have the latest version of these specifications.

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VIACHAIN, an ORBCOMM company, is a global leader in IoT solutions that deliver enhanced sustainability, cargo safety and operational reliability for logistics providers, trucking fleets and the world's largest shipping lines. Our pioneering technology transforms intermodal containers and trailers into smart assets to optimize efficiency and reduce risk. Providing real-time visibility and insights into location, condition, safety and route performance, our solutions enable fast reactions to disruptions. With more than 1.6 million connected assets, VIACHAIN is where IoT powers smart supply chains.