## TK BlueBox

**Communication platform to monitor refrigerated units.**

- Uses cellular capabilities to communicate with Thermo King's web-based TracKing™ application.
- Bluetooth and Cellular options are available when using the TK Reefer App to monitor assets using BlueBox.
- Compatible with all Thermo King products (Trailer, Self-powered Truck and Vehicle-powered Truck).

| Dimensions (Approximate): | mm | inch |
|---|---|---|
| Height | 153 | 6.02 |
| Width | 84 | 3.3 |
| Depth | 50 | 1.97 |

## Specifications

| Features | Description | Specifications |
|---|---|---|
| GPS | u-Blox 7N GPS | |
| Communications | Sierra Quad Band Cellular Modem (2G and 3G, GPRS, EDGE, WCDMA, HSDPA and HSUPA networks) | |
| SIM | Embedded SIM (eUICC) or removable SIM | G01 (Global SIM) |
| Serial ports | 2 x RS232 (TracKing extensions or Third-Party Connect) | |
| CAN ports | CAN ports (Proprietary and J1939) | J1939 2$^{nd}$ CAN |
| Bluetooth | Bluetooth dual mode — Low Energy and Classic, Panasonic PAN1326B with internal antenna | |
| USB | Flashload by wire, Diagnostics, Configuration | |
| Backup battery | Lithium Ion | 3.7 V, 2.6 Ah |
| Processor | Sitara 300 Mhz ARM Cortex-A8 300 MhZ | |
| Memory | Flash | 4 GB |
| Power usage | Main power source (6–30 Vdc) | |
| Operational temperature | Range -40 °C to +85 °C | |
| Enclosure | IP Rating | IP 65 |
| Environment | RoHS, TKS | TKS28020 |
| Protection | Reverse polarity protection | 0 to 64 V |
| GPIOs | Direct Connection Inputs/Outputs for monitoring when controller OFF | Door switches (1 to 3) and Fuel Sensor |
| Agency certifications | Industry and telecommunications | CE, FCC/IC, PTCRB |
| Geofences | Dynamic geofence monitoring | 500 |
| Remote Optiset+ | Temperature sensitive monitoring | Up to 64 Optiset+ files per vehicle |
| Warranty | Thermo King standard warranty terms and conditions | 24 months |

**Operating Voltage (Unit):**

6 - 30 V automatic backup battery charging when > 12.5 V

**TK BlueBox Backup Battery:**

3.6 V Li-ion, 2600 mAh, 9.36 Wh

For further information, please contact:
**europe.thermoking.com**

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