



### 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 <sup>nd</sup> 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:

[www.europe.thermoking.com](http://www.europe.thermoking.com)

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