BT 500

Fast, reliable, real-time truck management.

Real-time monitoring and control with detailed analytics on an intelligent, connected and future-proofed hardware platform.

Powering ORBCOMM's truck management product, the BT 500 provides complete visibility, monitoring and management of drivers, vehicles and displays. Part of a comprehensive solution that combines in-cab devices, powerful cloud-based reporting and connected hardware, the BT 500 delivers GPS vehicle tracking, advanced data collection from the CANbus, flexible communication options and an open, scalable platform to connect to for third party apps and other devices.

Fast, Reliable 4G LTE
The BT 500 allows fleets to take advantage of the higher performance and reliability of 4G LTE networks and also HSPA and GSM.

Wired or Wireless
The BT 500 comes with a host of communications interfaces, storage and connectivity options. Accessories such as printers, scanners and cameras can be connected wirelessly via Bluetooth and Wi-Fi, or wired through USB ports.

The Connected Truck
As the BT 500 is connected to the CANbus, important data from the engine, brake systems, fuel tanks and more is collected seamlessly. The device 'connects' the disconnected systems on the truck, aggregating this hard-to-read data, and giving fleet managers access to unrivalled deep analytics and reporting.

Reliability Built-in
Designed and engineered by ORBCOMM's in-house team, the BT 500 is ultra-reliable. Built for use in harsh operating environments, it boasts an extremely durable outer shell — offering maximum protection and the ability to withstand temperature ranges from −40 to +185°F.

Fast connectivity with 4G LTE

Open, scalable solution

Intelligent support for apps and third-party systems

Flexible communications

Ultra-reliable device

Connect multiple wireless or USB accessories

Quick and easy to install

Mechanical
- 140 mm x 40 mm x 105 mm
- 8.8 oz

Electrical
- Input voltage: 9 VDC to 36 VDC
- Power: 3W average, 5W maximum
- Load dump protected
- Power Management

Certification
- FCC: CFR 47, Part 15
- CE: EN 301 721, EN301489-20, EN300 832
- PTCRB
- RoHS

Environmental
- Operating: -40°F to +185°F
- IP54 Rated

External Interfaces
- Bluetooth: 2.1+EDR, BLE 4.0
- Digital I/O: 1 x I/P, 3 x I/O, 5 x O/P
- Serial I/O: 2 x RS232, OWIRE
- USB: OTG, Host 2.0

- GNSS: GPS, Glonass, SBAS, QZSS, 56-ch
- CAN: 2 x ISO 11898-2/5
- 1 x J1708
- 1x ISO9141

Wi-Fi
- 802.11 b/g/n

Motion
- Accelerometer 3 axis +/-8g
- Gyroscope 3 axis +/-2000°/s

Communications
- Cellular (NA)
    - LTE Bands 2, 4, 5, 12
    - 3G HSPA Bands 2,5

- Cellular (EU)
    - LTE Bands 3, 7, 20
    - 2G Edge Bands E-GSM, DCS

- Cellular (AUS / NZ)
    - LTE Bands 3, 8, 28
    - 3G HSPA Band 1

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

ORBCOMM is a global leader and innovator in the industrial Internet of 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.

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