



BT 500

Fast, reliable, real-time truck management.

Powering VIACHAIN'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 provides GPS vehicle tracking, advanced data collection from the CANbus, flexible communication options and an open, scalable platform to connect to for 3rd-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 to HSPA and GSM. Accessories such as printers, scanners and cameras can be connected via Bluetooth, Wi-Fi, or through USB ports.

The connected truck

Because the BT 500 is connected to the CANbus, important data from the engine, brake systems, fuel tanks and more is collected continuously. 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.

Open, scalable solution

The BT 500 is part of a solution based on VIACHAIN's Android-based platform – making it open, scalable and independent from proprietary hardware. Third-party apps can integrate with the BT 500 via Android APIs, which lets fleets avoid data silos and the need for multiple systems.

Fast connectivity with 4G

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

Powerful hardware platform

Applications like Hours of Service, driver messaging, job management, auto-arrival/departure, real-time maintenance diagnostics, critical alerts, and location tracking are all supported by the BT 500 platform. This gives drivers and fleet managers tools and data-driven reports to optimize workflows and improve efficiency.

Mechanical

- 140 mm x 400 mm x 1005 mm
- 8.8 oz

Electrical

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

Certification

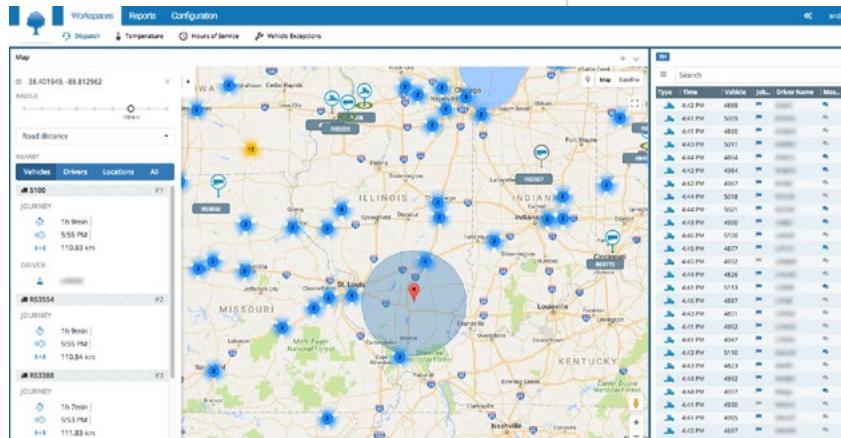
- FCC: CFR 47, Part 15
- CE: EN 301 721, EN301489-20, EN300 832
- PTCRB
- RoHS

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



BT 500 delivers real-time asset location tracking with FleetManager

- 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

Reliability built-in

Designed and engineered by VIACHAIN's in-house team, the BT 500 is ultrareliable. 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.

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

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.

For more information on our solutions or to book a demo, email us: info@viachain.io

Visit our website www.viachain.io

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.