



## BT 120

### Advanced Trailer Tracking

The BT 120 is a cost-effective, self-contained dry trailer management and tracking solution, providing asset visibility, theft prevention, improved productivity and better asset utilisation. Integrated with FleetManager, the BT 120 offers real-time asset tracking, robust external door sensors, EBS and odometer connectivity, alerts and reporting.

Using Electronic Braking Systems (EBS) data, fleets can quickly see trailer weights to maximise asset utilisation. Fault codes and "actual distance covered" data provides pro-active maintenance management. Built to last with a tough, tested, ruggedised exterior, the BT 120 fits underneath the trailer for covert installation - with no external antennas. Flexible communication options take advantage of the higher performance and reliability of 4G LTE networks.

#### **Cost-effective Asset Tracking**

Highly accurate trailer tracking delivers complete asset visibility at all times.

#### **Instant Alerts of Unexpected Events**

SMS / email alerts on door open / close events with external door sensors.

#### **EBS Brake Systems Data**

Use EBS data to maximise asset utilisation. Trailer weights show if the trailer is empty or full, improving yard management. Fault codes and "actual distance covered" data determine service scheduling and alerts to potential problems.

**Comprehensive asset monitoring**

**Instant alerts and notifications**

**Connectivity to EBS braking systems**

**Pro-active maintenance management**

**Integrated with FleetManager**

**Fast, reliable data**

**Rugged. Covert. Durable.**

## Fast, Reliable Data

Take advantage of the higher performance and reliability of 4G LTE networks.

## Trailer Odometer Readings

Utilise odometer readings or amount of time elapsed to schedule trailer servicing and inspections to see precise distance travelled by each trailer.

## Advanced Battery Technology

Utilising advanced rechargeable, lithium battery technology, the BT 120 provide years of durable operation in extreme operating conditions.

## Built to operate in challenging environments

Built to last with a tough, tested, ruggedised exterior. With no external antennas, the BT 120 fits underneath the trailer for covert installation.

# Specifications

## Mechanical

- 8.9 cm x 2.5 cm x 12.7 cm
- 283 gr

## Sensors/optional sensors

- GPS, fuel, door open/closed, tethered
- Movement/stationary, virtual mileage
- Door lock/unlock, shock/tri-axial impacts
- EBS

## Electrical

- Input voltage: 9 VDC to 36 VDC
- Power: < 2W average for extended battery life
- Load dump protected
- 3000 mA internal battery
- Power management

## Certification

- FCC: CFR 47 and 15
- CE: EN 301 721, EN301 489-20, EN300 832
- PTCRB
- RoHS

## Environmental

- Operating: -40°C to +85°C
- IP69K Rated

## External Interfaces

- Bluetooth 5
- Digital I/O: 1 x I/P, 2 x I/O
- Serial I/O: 2 x RS232
- GNSS: GPS, Galileo, Glonass, SBAS, QZSS, 72-ch
- CAN: 2 x ISO 11898-2/5
- 1 x J1708
- 1 x ADC

## 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

## Integration partners

- Innovative Computing Corp
- TMW System (Suites, ICC)
- McLeod Software
- Add On Systems
- SSI
- Prophesy
- TMS Connect - kasasi
- Schmitz Cargobull

*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](http://www.viachain.io) to ensure you have the latest version of these specifications.*

For more on our solutions or to book a demo, email us: [sales@viachain.io](mailto:sales@viachain.io)

Visit our website [www.viachain.io](http://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..