

## BT 120

### Advanced Trailer Tracking.

Improved asset, maintenance, trip and yard management through always-on reliable GPS tracking, EBS and trailer odometer connectivity. Fast, reliable reporting and early warning alerts.



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, trailer weight monitoring, 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

See real-time trailer weight, load/unload events, maximum vehicle weight and overweight alerts. Use fault codes and odometer mileage to determine service scheduling.

#### 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.

**Comprehensive  
asset monitoring**

**Instant alerts and  
notifications**

**Connectivity to EBS  
braking systems**

**Trailer Weights**

**Odometer Mileage**

**Pro-active maintenance  
management**

**Integrated with  
FleetManager**

**Fast, reliable data**

**Rugged. Covert.  
Durable.**

**Mechanical**

- 13.3 cm x 11.9 cm x 3.6 cm
- 283 gr

**Sensors/optional sensors**

- 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
- 3500 mA internal battery
- Power management

**Certification**

- FCC: CFR 47 and 15
- CE: EN 301 721, EN301 489-20, EN300 832
- IEC: IEC 60068
- PTCRB
- RoHS

**Environmental**

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

**External Interfaces**

- Digital I/O: 1 x I/P, 2 x I/O
- Serial I/O: 2 x RS232
- CAN: 2 x ISO 11898-2/5
- 1 x J1708
- 1 x ADC

**Motion**

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

**Tracking**

- GNSS: GPS, Galileo, Glonass, SBAS, QZSS, 72-ch

**Communications**

- Cellular (NA)
  - 4G LTE Bands 2,4,5,12
  - 3G HSPA Bands 2,5
- Cellular (EU)
  - 4G LTE Bands 3,7,20
  - 2G Edge Bands E-GSM, DCS
- Cellular (AUS / NZ)
  - 4G LTE Bands 3,8,28
  - 3G HSPA Band 1
- Bluetooth 5

**Integration partners**

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

**EMAIL: [INFO@ORBCOMM.COM](mailto:INFO@ORBCOMM.COM) VISIT: [WWW.ORBCOMM.COM](http://WWW.ORBCOMM.COM)**

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