

## GT 1020

### Cellular-based telematics for general asset management applications.

Complete visibility of transportation and heavy equipment assets, industrial equipment and more.



The compact and versatile GT 1020 is designed to fit a wide range of asset tracking applications across various market segments, including transportation, supply chain, heavy equipment and maritime. As part of a comprehensive solution that can include cellular connectivity, sensors and a cloud application, the GT 1020 enables remote monitoring of fixed and mobile assets, and delivers actionable data to ensure complete visibility of operations and enable informed business planning.

#### Feature-rich

Future proof your solution with global communications over the 4G LTE cellular network with 3G/2G fallback. The GT 1020 features optional Bluetooth support for wireless sensors plus an intelligent reporting system that optimizes power and airtime usage by adjusting the frequency of location updates based on vehicle motion. An optional CAN Bus interface enables advanced vehicle reporting, analytics and diagnostics, while a backup battery enables reporting for up to 11 months (depending on reporting frequency) without external power. The device includes a digital input that can be used to report on status changes, such as tire pressure alarms or whether the vehicle is on or off.

#### Quick and discrete installation

Integrated cellular and GPS antennas and mounting options with VHB tape or screws make the GT 1020 quick and easy to install and remove. Its small size supports covert installations on smaller equipment and assets to deter theft and tampering.

#### Built to withstand extreme conditions

The ruggedized GT 1020 is designed to operate under extreme environmental conditions, with resistance to dust, water, shock and vibration to ensure uninterrupted connectivity with field assets regardless of external factors.

#### Flexible and versatile

GT 1020 is available as a turnkey solution with ORBCOMM's FleetEdge or CargoWatch management portal. APIs and integration tools are also available to facilitate integration into proprietary or third-party applications.

**4G LTE cellular communications**

**Integrated antennas**

**Quick and easy installation**

**Compact and rugged**

**Optional CAN Bus support**

**Feature-rich and versatile**

**Long-lasting backup battery**



### Cellular Communication

- 4G LTE with 3G/2G fallback
  - » Supports LTE Cat 1, Bands 2, 4, 5, 12
- Integrated cellular and GNSS antennas

### GNSS

- GPS, Glonass, Beidou, and/or Galileo
- Assisted GNSS

### Certifications

- PTCRB
- FCC, IC
- CE

### Electrical

- Input voltage: 8 to 32V DC
- Protection: load dump, reverse polarity
- Backup battery: up to 11 months, 1 message per day

### Dimensions

- 4.55 x 3.50 x 1.55 inches
- 116 x 89 x 39 mm

### Interfaces

- Standard variant:
  - » Digital input
  - » RS-232 diagnostic port
  - » Optional Bluetooth
- CAN variant:
  - » CAN Bus
  - » Digital input
  - » RS-232 diagnostic port
  - » Bluetooth

### Connectors

- Chogori, Standard Series, 8-pin

### Environmental

- Operating temperature
  - » External power: -40°C to +85°C
  - » Battery: -30°C to +60°C
- Dust and water ingress: IP67
- Vibration: SAE J1455, MIL-STD-810F
- Shock: MIL-STD-810G

### Accelerometer

- 3-axis

### Device (Re)Configuration

- Remote firmware updates via cellular or RS-232 diagnostic port
- Remote device configuration updates via cellular

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