

GT 1020

Cellular-based telematics for heavy equipment and construction.

Complete visibility and machine data to manage your fleet.



The compact and versatile GT 1020 is designed to track assets for the demanding heavy equipment and construction markets. As part of a comprehensive solution that can include cellular connectivity, sensors and a cloud application, the GT 1020 enables remote monitoring of fixed, portable, and mobile assets. It 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 Bluetooth support for wireless sensors and updates plus a built-in accelerometer. An optional CAN Bus interface enables advanced vehicle reporting, analytics and diagnostics, while a backup battery enables reporting for up to eight months (depending on reporting frequency) without external power.

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 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

The GT 1020 is available as a turnkey solution with ORBCOMM's FleetEdge heavy equipment fleet management application and multi-network connectivity. APIs are 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
- Integrated cellular and GPS antennas

GNSS

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

Certifications

- PTCRB
- FCC, IC
- Pending: CE

Electrical

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

Dimensions

- 4.52 x 2.75 x 1.57 inches
- 11.5 x 7.0 x 4.0 cm

Interfaces

- Standard variant:
 - » Configurable I/O
 - » RS-232 diagnostic port
- Optional CAN variant:
 - » CAN Bus
 - » RS-232 diagnostic port
 - » Configurable I/O
 - » 1-wire interface
- Optional Bluetooth

Connectors

- Chogori, Standard Series, 8-pin

Environmental

- Operating temperature
 - » External power: -40°C to +75°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
- Local device configuration wirelessly through field support tool

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