

GT 1030

Global cellular-based telematics for heavy equipment and construction.

Built for global coverage, flexibility and additional connectivity.



Track, monitor and connect all types of assets used in the heavy equipment and construction markets with the GT 1030. Advanced global connectivity, easier and more cost-efficient SIM management, multiple new analog/digital interfaces and the latest wireless technologies provide increased power and flexibility to satisfy different customer applications. Cloud-based device management ensures turnkey integration into ORBCOMM's FleetEdge and by APIs to third-party services. Higher battery capacity ensures connectivity when external power is lost for extended periods. A Field Support Tool streamlines device installation, activation and maintenance.

Global communications

With Global LTE and fallback to multi-band 3G/2G networks, the GT 1030 provides more reliability and faster connectivity than ever before. The global SIM card allows devices to switch networks seamlessly and cost-efficiently between geographies. Global certifications and type approvals will meet the needs of international operators.

More connectivity

A 4-way connector cable allows for a direct, wired connection to the asset, while multiple I/Os (analog/digital, RS-232, RS-485 and BLE) support inputs and outputs to suit any application or accessory. Detailed machine data and diagnostics can be accessed. Bluetooth BLE provides support to wireless sensors for visibility, usage, productivity or safety applications.

Quick and discrete installation

Integrated cellular and GPS antennas make the GT 1030 quick and easy to install and remove, with mounting options with VHB tape or screws. Compact yet robust, it supports covert installations in small spaces to deter theft and tampering. A field-installable connector makes it easier to procure cables locally.

Built to withstand extreme conditions

The ruggedized GT 1030 with IP67 rating can operate under extreme environmental conditions, with resistance to dust, water, shock and vibration. A backup battery can potentially report up to 10 months without external power (frequency dependent).

Flexible and versatile

Available as a turnkey solution with FleetEdge, ORBCOMM's heavy equipment portal, with APIs available to extend integration into third-party applications.

Global 4G LTE coverage

Global SIM card

Multiple I/Os

BLE support

Long-lasting backup battery

Integrated antennas

Quick and easy installation

Compact and IP67 rugged

Field Support Tool



Dimensions

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

Cellular Communication

- Global 4G LTE with 3G/2G fallback
 - » *Global LTE: Cat 4 (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 18, 19, 20, 25, 26, 28, 38, 39, 40, 41)*
 - » *3G: 850, 900, 1900, 2100 MHz*
 - » *2G: Quad Band (850, 900, 1800, 1900 MHz)*
- Integrated cellular/GNSS antennas

GNSS

- Systems: GPS, Glonass, BeiDou, Galileo
- Augmentation: SBAS, QZSS

Certifications

- PTCRB
- FCC
- IC
- CE
- HERO
- Anatel
- Argentina, Australia, Mexico, Chile, Japan, New Zealand
- Others by request

Electrical

- Input voltage: 9 to 32V DC
- Protection: load dump, reverse polarity
- Internal 19.0 Wh backup battery with potential to report up to 10 months, 2 messages a day (Performance may vary)

Hardware Interfaces

- 2 digital inputs, 1 GPIO and 1 analog
- RS-232
- RS-485
- Bluetooth Low Energy (BLE)
- 1 switched 12v power output for sensors

Connectors

- Chogori, Standard Series, 12-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 accelerometer

Device (Re)Configuration

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

Accessories

- Field-installable cable connector
- VHB bracket
- Door sensor
- Temperature sensor
- Field Support Tool

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ORBCOMM is a global leader and innovator in the industrial Internet of Things, providing solutions that connect businesses to their assets to deliver increased visibility and operational efficiency. The company offers a broad set of asset monitoring and control solutions, including seamless satellite and cellular connectivity, unique hardware and powerful applications, all backed by end-to-end customer support, from installation to deployment to customer care. ORBCOMM has a diverse customer base including premier OEMs, solutions customers and channel partners spanning transportation, supply chain, warehousing and inventory, heavy equipment, maritime, natural resources, and government. For more information, visit www.orbcomm.com.