MONTAGE™
CONNECT

Universal Gateway

Maximize Efficiency, Minimize Risks, Manage Assets



MG14 Universal Gateway

Ideal for general tracking as well as a Gateway that can collect information from other sensors and send the data to the cloud in real time. The MG14 is a next generation stand-alone Gateway with advanced hardware and firmware features. It is CAT M compliant, battery operated with an option to connect to an external power source. Support for Bluetooth Low Energy - BLE 5.2, RS-485, RS-232, and CAN Bus. It is highly flexible with multiple communication protocols; TCP, UDP MQTT and LwM2M.

Montage-Connect.com
Address | 300 Lenora St. #848, Seattle, WA 98121

IT'S RELIABLE

The MG14 is a high-performance universal gateway, putting all your operational data and insights onto a single unified dashboard. One data plan, one synchronized perpetual data history, collecting data from all the sensors on your vehicle through a single gateway.

IT'S FLEXIBLE

The MG14 is IP67-rated and has sophisticated power management and auxiliary power options for use in all power scenarios. Data is collected continuously and stored at the edge when the vehicle leaves wireless connectivity. Operating events (package movements, door openings, temperature variations, geo-fence violations,...) and faults generate alerts delivered by dashboard, e-mail, or SMS.

IT'S FUNCTIONAL

From Over The Air (OTA) updating, to automated device detection and streamlined installation, to optimized packet management to reduce data costs, the MG14 is the most advanced gateway on the market.

Highlights

- LTE CAT M modem
- Integrated cellular and GNSS antenna
- Two RGB indication LEDs for GNSS and network registration
- Integrated accelerometer
- BLE 5.2 support, low power consumption
- Serial Com ports
- Nano SIM Socket that accepts eSIM
- UDP, TCP, MQTT and LwM2M
- External power sources, and Li-rechargeable backup battery
- Supports Geofence events
- Over the air configuration and firmware update
- Easy installation
- IP67 Rating
- Multiple mounting options

Montage Connect cloud API easily integrates with customer's existing systems.

MONTAGE™
CONNECT



Integrated GPS Gateway

Maximize Efficiency, Minimize Risks, Manage Assets

About MONTAGE CONNECT

Montage Connect provides the Wiliot Ambient IoT Ecosystem. We deliver turn-key high volume complex wireless sensing and analytics solutions for multiple markets. Montage offers a comprehensive portfolio of visually programmable high-performance remote monitoring, cloud analytics management services and global network connectivity. Our solutions are custom architected from the ground up for the best possible human experience, unbreakable security and compelling cost effectiveness. We offer 'Best in Class' solutions in our markets.



For more information, contact:
sales@montage-connect.com

Montage-Connect.com
Address | 300 Lenora St. #848,
Seattle, WA 98121

MG14 Specifications

Cellular
- LTE CAT M
- Integrated high performance antenna
- Nano SIM Socket and integrated eSIM
- Auto register to LTE network

GNSS
- Hardware enabled for GNSS
- IGPS, GLONASS, BeiDou and Galileo/QZSS
- Embedded Antenna
- Optional external antenna

Power
- Rechargeable Battery
- Dual external 12-24VDC

Approvals
- FCC, PTCRB, LTE Carriers, QDID,
- US military Standard 202G & 810F, SAE J1455
- SAE J1113
- FCC-Part 15B

Communication Ports
- CAN Bus
- UART1 - RS-485
- UART2 - RS-232

Bluetooth
- Bluetooth Low Energy – BLE 5.2
- -20dBm to +18dBm Programmable
- 2.4GHz
- Internal antenna
- Supports Bluetooth Hubs and Bluetooth Sensors

Sensor
- Accelerometer: 3-axis
- 9-axis IMU (optional)
- PCB temperature
- Ambient temperature
- G force measurement

Environmental
- IP67 Rating
- Operation Temperature: -30°C to +75°C
- Storage Temperature: -40°C to +85°C

Indication LEDs
- 3 RGB LEDs to show status during commissioning

Remotely Monitor, Control and Optimize Economics With Montage Connect Intelligence