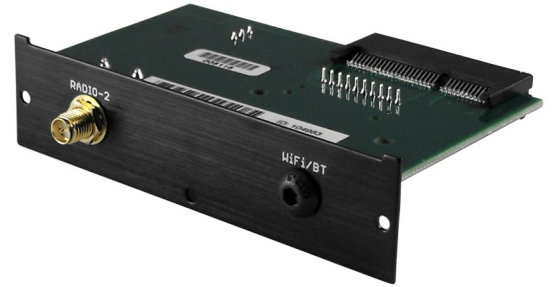# CloudGate CG9104-900MT-A

Cellular to Monnit™ ALTA interface

CloudGate M2M LTE gateway is certified on all major US cellular operators with global versions available. The CG9104-900MT-A peripheral board connects the popular 433 MHz, 868 MHz and 900 MHz Monnit™ ALTA sensors to CloudGate.

The combination of CG9104-900MT-A and CloudGate offers unmatched wireless gateway capability to battery operated, low-power, low-cost sensor networks.

CloudGate and CG9104-900MT-A is fully backed by a 3-year warranty, technical support and application assistance from BiPOM.

900MT Features:

- Monnit™ RFSC Wireless Module
- Temperature Range: -30° to 70°Celsius
- One Reverse SMA (male) connector for antenna
- Use with stub antenna or extender cable
- Powers from CloudGate
- Low power consumption: Under 100mA
- Power on/off under software control
- Uses FCC Certified module from Monnit™

CloudGate Base Unit Features:

- Fast Cortex processor
- Linux OpenWRT development platform
- CloudGate Universe provisioning server
- 10/100 Mbps RJ45 Ethernet Connector
- Global Positioning System (GPS)
- Optional Wi-Fi Card available
- Dual Expansion card slots
- Case size: 115 mm × 105 mm × 45 mm
- Temperature Range: -30° to 70°Celsius
- Certification: CE/FCC/IC

Software:

- BiPOM Developer Image for CloudGate
- Collects data from sensor network
- Pushes data to iMonnit™, BiPOM Portal or customer's own portal based on period and alarms

Plug-In Peripherals

Example Applications:

- Oil and Gas Monitoring
- Irrigation
- Generator Set Monitoring
- Energy Monitoring
- Utility Meter Remote Monitoring
- Factory Automation
- Vibration Monitoring
- Sensor Networks
- Medical Devices
- Asset Tracking

Ordering Information:

- **CG9104-xxxMT-A** peripheral board with Monnit™ ALTA module where xxx=433,868 or 900 based on frequency
- **CG9104-xxxMT-SK** includes CloudGate, antennas, adapter and peripheral board with Monnit™ ALTA module

CloudGate Monnit ™ Starter Kit

CloudGate Monnit Starter Kit greatly simplifies getting started with remote monitoring. The kit includes:
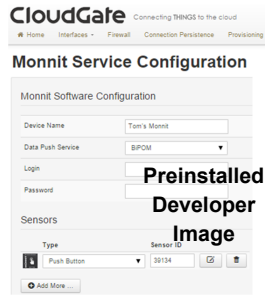
CloudGate LTE Rev 4 with CG9104-900MT-A Board	**AC Adapter**	**LTE Cellular Antenna**	**900 MHz Antenna**	**Dry Contact Sensor**	**Temperature Sensor**

Preinstalled Developer Image

CloudGate Monnit™ Sensor System

Temperature Sensor

Asset Sensor

Light Sensor

AC Voltage Sensor

Humidity Sensor

Accelerometer Sensor

CO Sensor

Example Application
Remote Monitoring Gateway →

Enclosure

Solar

CloudGate

Li-Ion Cell

Camera

Monnit ™ Environmental Sensors

www.bipom.com