



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.



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

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™

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

More details and Technical Manual are available for download at <http://www.bipom.com>

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CloudGate Monnit™ Starter Kit

CloudGate Monnit Starter Kit greatly simplifies getting started with remote monitoring. The kit includes:

	<p>CloudGate LTE Rev 4 with CG9104-900MT-A Board</p>	<p>AC Adapter</p>	<p>LTE Cellular Antenna</p>	<p>900 MHz Antenna</p>	<p>Dry Contact Sensor</p>	<p>Temperature Sensor</p>
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CloudGate Monnit™ Sensor System

<p>Temperature Sensor</p>	<p>Asset Sensor</p>	<p>Light Sensor</p>	<p>AC Voltage Sensor</p>	<p>Humidity Sensor</p>
<p>Accelerometer Sensor</p>		<p>CO Sensor</p>		

Example Application Remote Monitoring Gateway



<p>Enclosure</p>	<p>CloudGate</p>	<p>Camera</p>	<p>Monnit™ Environmental Sensors</p>
<p>Solar</p>	<p>Li-Ion Cell</p>		