



# CloudGate MultiWireless

Cellular, GPS, Bluetooth, ZigBee and Wi-Fi all in one compact device



The new CloudGate M2M 3G gateway is certified on all major US cellular operators (CDMA/EV-DO and WADA/HSPA+) with global versions available. The MultiWireless peripheral board adds ZigBee®, Bluetooth® Low Energy and Wi-Fi capabilities to CloudGate.

The combination of MultiWireless and CloudGate offers unmatched wireless gateway capability to battery operated and even energy harvesting sensor networks.

CloudGate MultiWireless 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 x 105 mm x 45 mm
- Temperature Range: -30° to 70°Celsius
- Certification: CE/FCC/IC

### MultiWireless Features:

- LS Research TiWi-BLE Module for Wi-Fi and Bluetooth®
- XBee™ module socket
- XBee™ or XBee-PRO™ options
- Protocols: 802.11 b/g/n, Bluetooth
- Temperature Range: -30° to 70°Celsius
- Two Reverse SMA (male) connectors for antennas
- Use with stub antenna or extender cable
- Bluetooth® 2.1+EDR
- Supports Bluetooth Smart and Bluetooth Classic
- Powers from CloudGate
- Low power consumption: Under 100mA
- FCC Certified

### Plug-In Peripherals



### Target 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:

- **CG9102-multiWireless-NM** No modules, XBee™ socket
- **CG9102-multiWireless-ZB** 2.4 GHz XBee™ module installed
- **CG9102-multiWireless-ZBPRO** 2.4 GHz XBee-PRO™ module installed
- **CG9102-multiWireless-BT** Bluetooth module installed
- **CG9102-multiWireless-BT-ZB** Bluetooth and 2.4GHz XBee™ modules installed
- **CG9102-multiWireless-BT-ZBPRO** Bluetooth and XBee-PRO™ modules installed

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

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