

**BlueGateway**

**BR-BG-02 Cellular Gateway, Data Concentrator, and Content Server**

**OUTLINE**

- Embedded Linux OS on ARM9 CPU
- Code space for custom applications
- Mobile Quad Band GSM/GPRS modem
- *Bluetooth*® and Dual Mode (2.1 EDR/BT 4.0)
- USB 10/100 Ethernet/WiFi device support
- USB GPS *plug-n-play* device support
- 2.5 mm Audio headset jack
- µSD supporting up to 8GB cards
- Powered by either Li-Ion rechargeable battery or USB charger
- Embedded *Bluetooth* Stack. Profiles Included: SPP, HID, HSP, HFP, A2DP, AVRCP, OPP, FTP - Client/Server, BIP, SYNCH, PAN, DUN, SDAP GAVDP, GOEP, GAP
- Sold with or without plastic enclosure for OEM resale



**FEATURES**

- The *BlueGateway* can be configured directly through the USB Device interface
- eSCO for exceptional audio clarity with optional voice calling and VoIP
- Battery backed Real Time Clock (RTC) for time stamping of data
- General purpose ADC connector
- 3-Axis Motion Sensor and Temperature Sensor
- Zigbee, and V.90 dial-up accommodations
- USB Host support for DB-9 RS-232/485/422...
- I/O expansion header for Analog and Digital I/O
- Watchdog timer
- SIM Card socket or optional embedded SIM I.C.
- Multi-Color LED status and push button control
- Onboard penta band antenna or external SMA RF connector
- Operating temperature range: -30 to +80°C (with no USB devices)
- Secure and robust *Bluetooth* communication link
  - ✓ FHSS (Frequency Hopping Spread Spectrum)
  - ✓ Encryption up to 128bit
  - ✓ Error correction for guaranteed packet delivery



Size: 76.20 x 101.60 x 35.05 mm  
Weight: 121 g w/o battery