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 GPRS penta band antenna
- Operating temperature range: -30 to +80ºC (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