LBGV-69511

GPRS Data Transceiver for Remote Device Management

**Overview**

LBGV-69511 is a low cost but powerful dual-way communication device for automatic vehicle locations (AVL) and real-time GPS tracking applications. It combines GPS and NXN's WM2M technology, providing reliable GSM/GPRS communications with optional dual band GSM/GPRS operation for international coverage. Embedded with 1 RS-232 serial port, 3 Digital Inputs and 1 Relay Output, it is ideal for connecting different devices for monitoring and data acquisition. Meanwhile, it integrates a GPS receiver, reliable GSM/GPRS communication system, data logger, industrial enclosure and design. In addition, the unit also ships with easy-to-use API, and New GPRS Gateway Software and GUI-based Console Utility, freeing system integrators from dealing with complex GPRS and TCP/IP communications.

**Features**

- Quad band GSM/GPRS 900/1800/850/1900MHz
- 1x RS-232 serial port, 3 X Digital Input, 1 x Relay Output
- Continuous and automatic GPRS VPN Management (GPRS Data Tunnel)
- GUI-based Console Utility
- Industrial design with surge protection
- Easy-to-use API (VC/VB/BCB)
- Built-in Watch Dog
- Real-time Clock (RTC)
- Local and remote configuration over the air (OTA)
- Remote firmware upgrade over the air (OTA)
- Support Virtual COM
- SiRFStar III GPS Engine

**Benefits**

- Industrial design with intelligent software capabilities, making it a reliable GPRS solution for data collection and transmission
- Connect to any serial device to GPRS and the Internet
- Plug-and-play design with easy-to-use API for easy integration
- No need to build expensive fixed line network, saving cost substantially
- Easily manage and control distributed remote devices over the air
- Reliable GPRS network connectivity, providing fast and cost-effective long-range wireless communication
### Applications

- Logistics
- Fleet management
- Commercial vehicle monitoring and driver performance monitoring
- Rental car monitoring and theft recovery
- Emergency (ambulance and fire engine)
- Hazardous waste management
- Security (cash carrier vehicle and police vehicle)

### Specifications

#### General Specifications

- **Processor Environment**: Low power-consumption CPU, 32KB SRAM
- **Power Consumption**: 4.8W (searching GPRS), <1.2W (idle)
- **Frequency**: 900/1800MHz/850/1900MHz
- **Voltage**: 9~35VDC
- **LED Status Indicator**: through serial port or by air interface
- **Firmware Upgrade**: through serial port or by air interface
- **Parameter Setting**: through serial port or by air interface
- **Protocol Supported**: TCP, PPP

#### GPRS Specifications

- **GPRS Multi-slot**: Class 10
- **GPRS Mobile Station**: Class B
- **Code Scheme**: CS1, CS2, CS3, CS4
- **PPP-Stack**: Yes
- **Module Approvals**: CCIF, R & TTE
- **Receiver**: L1, 1575.42MHz, C/A Code Max. Update Rate 1Hz, 20 channels
- **Accuracy Position**: Autonomous: <10 meters at 2D RMS
- **SBAS**: <7 meters at 2DRMS, WAAS corrected
- **Datum**: WGS-84
- **Acquisition Rate (Average)**: Cold/Warm/Hot Start: 42/38/1 sec (average) Cold/Warm/Tracking Sensitivity: 30/15/12 dB-Hz
- **NMEA Protocol**: GLL, GGA, RMC, VTG, GSV, GSA

#### GPS Specifications

- **Interface**: N/A
- **RS-232/485**: 1
- **RS-232**: 1
- **Digital Input**: 3
- **Digital Output**: 1 (Relay Output, DC: 0.3A at 60VDC, 1A at 30VDC, AC: 0.5A at 125VAC)

#### Mechanical Specifications

- **Dimensions (L x W x H) (mm)**: 92 x 86 x 40
- **Weight (g)**: 350
- **SIM Card Holder**: 3/6V
- **DB9 Connector**: N/A
- **RJ-45 Connector**: N/A
- **SMA F External Antenna Connector**: Yes
- **Wall-mount**: Yes
- **Battery (optional)**: 1000mAh

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All specifications are subject to change without prior notice.