



Applications

Security Systems
Remote Utility Metering
Vending Machines
Remote Data Collection
Telematic Data Collection
Mobile Communications
Environmental Control
Automated Signs

In general – any application that requires remote monitoring of simple I/O or adaption of proprietary protocols using TCP/IP over GPRS or GSM networks.

µWEB Lite GSM/GPRS enable's legacy equipment with simple I/O or proprietary serial protocols to communicate over GSM/GPRS, SMS and TCP/IP based networks.

It provides an integrated TCP/IP protocol for encapsulating host serial data over the wireless network, and communicates with the attached equipment through a standard RS232 (TTL option) interface. µWEB Lite GSM/GPRS supports extended AT-Commands for establishing and controlling connections. Where the host equipment is unable to control the connection it supports autodial and autoanswer features.

Wakeup modes when combined with automated modes enable the module to achieve low power standby operation. µWEB Lite GSM/GPRS can wake from an on-board real-time clock (RTC), host signals (I/O, data, DTR), incoming ring/SMS/Call/Matching number, together with security provided by user ID and password.

Once awake, the module can perform a number of automated operations before re-entering low power standby mode. This includes, start / monitor timer sequences, I/O & GPS monitoring, SMS and data autodial features. Digital I/O can be controlled and monitored, together with reading of analogue inputs.

External voice handsets and handsfree kits are supported at the voice connector. µWEB Lite GSM/GPRS provides optional network and call status information through connectors for 4 external LED's. µWEB Lite GSM/GPRS provides a module migration from Comtech's µWEBBox Lite GSM/GPRS box product. Consult factory for licensing options at chip/GSM CAN level. Comtech offer customised build options for greater than 250 units.

Features

- **GSM/GPRS Modem**
 - GPRS Class B 4+1 network compatibility
 - HSCSD, 2 Downlink, 1 Uplink. CSD at 9600baud
 - Dual band for use with all GSM networks using both 900Mhz and 1800Mhz. (USA option available)
 - SMS, supports text and PDU modes
 - Integrated SIM socket (3V or 5V)
 - MMCX RF connector, with SMA option
 - RS232 Host Serial Port (TTL Option)
 - Extended AT command set
 - Small mechanical size approx 59x89mm
 - 5-15V supply. TTL and RS232 versions
 - Audio and LED connector
 - Contact factory - Bespoke options for integrating customer specific applications & protocols.
- **Integrated TCP/IP protocols**
 - TCP/IP, PPP protocol
 - Host serial-to-socket TCP/IP connection
- **Automated modes for standalone operation**
 - No external microcontroller required
 - I/O Monitoring support (8 Digital I/O & 4 Analog in)
 - GPS monitoring support (External GPS solution)
 - Incoming call and SMS prompt monitoring
 - Matching number (SMS, CLI) validation
 - Configurable power down & wake event modes
 - Programmable event timers and Real time clock
 - Autoanswer & autodial
 - Autosend SMS and dial upon alarm/event for reporting I/O, GPS status or establishing calls

Benefits

- **Automatic monitoring and reporting of simple I/O without communication knowledge.**
- **Fast time to market with least risk**

machine 2 machine connectivity