



smartlink

GT2 Modem/Router



powered by



GREYSTONE
Technologies

GREYSTONE TECHNOLOGIES (PTY) LTD

Tel: 010 593 0848 | Fax: 0864546662

Web: www.greystonetec.co.za

Email: info@greystonetec.co.za

Address: International Business Gateway

Midridge Office Estate South, Block C, Ground Floor

Pioneer Ave, Midrand South Africa 1685

Overview

The GT2 SmartLink modem/router has been designed to facilitate almost any integrated or stand-alone IoT, M2M or M2B requirement/s. With multiple interfaces, redundant connectivity, back-up battery and system-on-module intelligence, the GT2 SmartLink provides unsurpassed versatility, reliability, and it's cost effective!

Key Features & Benefits:

- 512 MB RAM
- Embedded Linux
- State of the art fully programable System on Module (SoM)
- GPRS / EDGE / 2G (4G Optional)
- Multiple Interfaces: LAN, Serial, USB, WiFi, Bluetooth, GPS
- Dual SIM (network redundancy)
- Over-the-Air Updates (OTA)
- Remote monitoring and network availability reporting
- Onboard back-up battery
- Auto re-connect functionality
- Onboard data / transaction storage (offline situations)

Applications:

- ATM's
- POS
- Smart Safes
- Retail Kiosks
- Self-service channels
- Security systems
- Asset tracking
- Industrial type M2M / M2B comms:
 - Mining Sector
 - Agriculture
 - Utilities: Water, Electricity, Gas, Transport, Telecoms
- Internet of Things (IoT):
 - Smart Cities
 - Smart Houses
 - " Manufacturing
 - " Marketing
 - " Healthcare
 - " Supply Chain
 - " Retail
 - " Farming

TECHNICAL SPECIFICATIONS

Design and Technology:

- 32 bit ARM7 CPU
- 512 MB NAND Flash
- 512 MB RAM
- Runs Yocto Linux RTOS
- Full cipher suite (data encryption)
- Full duplex real-time communication (simultaneous connections)
- Enclosure Options:
 - Metal / Aluminum
 - Durable hard-plastic
 - No enclosure
- Tamper switch
- LED Diagnostics (communication, battery, system status, sim select, GSM net, GPS sync)
- Routing Capability
 - LAN to GSM
 - LAN to WAN
- Smart Modem Capability
 - Device intelligent API integration via any interface possible
 - Backend real time communication (Greystone backend or any other backend)

Interfaces:

- Lan x 2 (1 x 10/100 Mbit/s) and (1 x 10/1000 Mbit/s)
- Micro USB Serial x 1 FT230 (USB / Serial enumeration)
- DB 9 Way RS232 Serial port via MAX232
- USB 2.0 OTG
- Cellular, Dual Sim Cards with LED indication (GPRS/EDGE/2G)
- GPS capable with LED GPS Lock indication
- Wifi capable 802.11 b/g/n
- Bluetooth capable 4.1 BLE
- SMA Passive Antenna Connector
- SMA Active GPS Connector

Power and Storage:

- Internal battery backup (min 4 hours)
- Power supply 1-pin 12V DC 1A
- Full battery integration (power management / fast charging + charge states)
- Mains power fault detection
- 200 MB onboard storage capacity (can store 20 000+ transaction records + logs for diagnostics)

Support:

- LED diagnostics
- User Friendly embedded web server for easy onsite configuration
- OTA updates - Core system
- OTA updates - Integrated product
- OTA configuration management
- Remote monitoring and network availability

Certification:

- CPU and GSM modules are FCC and CE certified
- GSM module is ICASA approved

Additional Integration and Multimedia

features available:

- 1 x 24bit CPI Camera
- 7" WVGA LCD with capacitive touch
- Sound recording and playback
- I²C (Inter-Integrated Circuit)

Integration options:

- Alarm systems
- Seismic sensors
- Tracking units
- Smart-locks
- Etc...

powered by

