

## GSM/GPRS Module Tri Band 900/1800/1900 GM862-PCS

GSM GPRS module dual band GSM 900/1800/1900 with EASY GPRS Embedded (TCP/IP stack inside) and EASY CAMERA Support



With EASY GPRS and EASY CAMERA take a snap shot and send it over through the Internet or to another MS (in future) using simple AT commands.

- Designed for Industrial Applications
- Rugged design
- Small, lightweight and easy to integrate
- Low power consumption
- Extended temperature range
- EASY CAMERA Support
  - Direct connection to a colour camera and management via AT commands
- EASY GPRS Embedded:
  - Embedded TCP-IP stack and DNS query protocol
  - Just use AT commands to establish an internet connection through the GPRS network (e.g. send and receive e-mails)
- Full ETSI/R&TTE type approval
- Integrated SIM card reader

### Planned evolution to:

- Bluetooth
- Embedded Position Locations (E-OTD and A-GPS)

**All GM862 versions are 100% compatible.**

**Excellent technical support** to help you in the integration of your solution:

- Exhaustive product documentation
- Starter Kit and reference design
- Quick technical assistance by dedicated e-mail services and a dedicated technical forum provided by Round Solutions

### Product Features

- Tri Band 900/1800/1900 MHz
- Output Power:
  - Class 4 (2W) at GSM 900 MHz
  - Class 1 (1W) at GSM 1800/1900 MHz
- Control via AT commands (ITU, GSM, GPRS and Telit Supplementary)

- Supply Voltage: 3.4 V ÷ 4.2 V , Nominal: 3.8 V
- Power consumption: Idle mode: <3.5 mA  
Dedicated mode 250 mA (average typ)
- Dimensions (mm): 6 x 43.9 x 43.9
- Weight (g): 20 (including shielding)
- Temp range: -20; +70 (operational)

### Interfaces

- 50 pin industrial connector:
  - Power supply, Serial bi-directional bus, 7 general purposes I/O ports, Internal / External SIM 3 V , Analog audio, Camera direct Support
- V.24 Serial link
  - Baud rate from 300 to 115.2 kbps
  - Autobauding from 1200 to 57.600 bps
- 50 Ohm antenna connector (900/1800/1900MHz)

### Audio

- Telephony, Emergency calls, Half/Full/Enhanced Full rates
- Superior echo cancellation & Noise reduction
- DTMF
- Handset and hands free operations

### SMS

- SMS Mobile Originated (MO) and Mobile Terminated (MT)
- SMS Cell Broadcast (CB - DRX)
- EMS (concatenated messages)

### Data

- Circuit Switched Data (CSD) up to 14.4 kbps
- GPRS Class 10 up to 85.6 KBps
- Coding schemes CS1 to CS4
- PBCCH support
- MS class B

### Fax

- Group 3

### GSM Supplementary Services

- Call Barring & Call Forwarding
- Advice of Charge
- Call Waiting & Call Hold
- Calling Line Identification Presentation (CLIP)
- Calling Line Identification Restriction (CLIR)
- Unstructured SS Mobile Originated Data (USSD)
- Closed User Group

### Other Features

- SIM Phonebook management
- Fixed Dialling Number (FDN)
- SIM Toolkit Class 2
- Real Time Clock
- Alarm Management