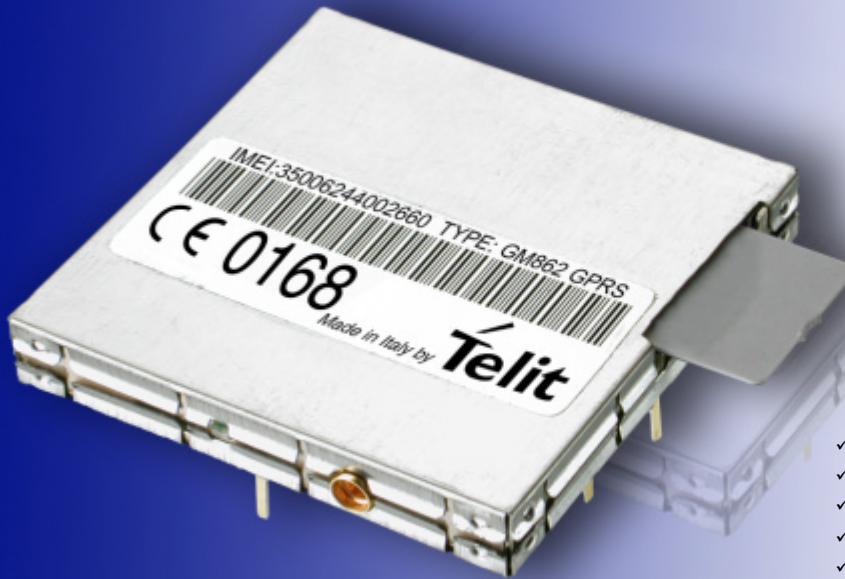


GM862 E-GSM/GPRS Cellular Engines

GM862-PCS
GM862-GPRS
GM862-GSM



- ✓ Designed for Industrial Application
- ✓ Rugged design
- ✓ Small, Lightweight, Easy to integrate
- ✓ Low power consumption
- ✓ Extended temperature range
- ✓ Full ETSI Type Approval
- ✓ Integrated SIM card reader

Telit GM862 wireless data modules are the ready solution for all your M2M wireless applications.

With its rugged design, it is the easiest solution available on the market for PCB mounted GSM/GPRS engines M2M industrial applications.

If a 900/1800 or even 1900 MHz (PCS version) GSM network is available, the GM862 provides you with quality SMS, Voice, Fax, Asynch and Packet data (GPRS/PCS versions) services

> DESIGNED FOR M2M INDUSTRIAL APPLICATIONS:

In-vehicle applications
Fleet management
Remote control, vending and monitoring
Security systems
Tele-services (POS, payphones)

> PLANNED EVOLUTIONS TO:

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

> PIN-to-PIN UPGRADE POLICY TO SAVE YOUR INVESTMENTS:

All GM862 versions are 100% compatible

> HIGH LEVEL TECHNICAL SUPPORT FOR YOUR INTEGRATION:

Exhaustive product documentation
Evaluation Kit and reference design available
Quick technical assistance by dedicated E-mail services
Deep technical assistance by dedicated engineering support

> R&D SUPPORT TO TARGET YOUR APPLICATIONS:

SW & HW customization to reduce your application BoM

EASY GPRS® Embedded:

GPRS and PCS models embed TCP/IP stack and DNS query protocol. Developers just need to add Telit Proprietary AT command to establish a TCP/IP connection in Internet through the GPRS network.

EASY CAMERA® Support:

PCS model includes direct connection to a colour camera and management via Telit Proprietary AT commands.

With **EASY GPRS®** and **CAMERA®** take a snapshot and send it through the Internet or to another MS (in future) it is easy as implement few AT commands to your SW

PRODUCT FEATURES:

- Dual-band E-GSM 900/1800 MHz
- Tri-band E-GSM 900/1800/1900 MHz (PCS version only)
- GPRS class 8 (GPRS version) and 10 (PCS version)
- MS class B
- Output Power
 - Class 4 (2W) @ 900 MHz
 - Class 1 (1W) @ 1800/1900 MHz
- Control via AT commands
 - ITU, GSM, GPRS, Telit Supplementary
- Supply Voltage
 - Nominal: 3.8 V
 - Range: 3.4/4.2 V
- Power Consumption
 - Off: 26 μ A (typ., RTC running)
 - Idle: <3.5 mA
 - Dedicated mode: 250 mA (average typ.)
- Dimensions: 6 x 43.9 x 43.9 mm
- Weight: 20 gr. (shields included)
- Temp range: -20 ; +70 ° (operational)

INTERFACES:

- 50 pin Industrial connector
 - Power supply, Serial bi-directional bus, 7 I/O ports, Internal/External SIM, Analog Audio, Camera direct Support (PCS version only)
- V.24 Serial Link
 - Serial Baudrate from 300 to 115.200 bps
 - Autobauding from 1200 to 57.600 bps
- 50 Ohm antenna connector (900/1800/1900 MHz)

AUDIO:

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

SMS:

- SMS Mobile Originated, Terminated and Broadcast
- EMS (concatenated messages)

DATA:

- Circuit Switched Data (CDS) up to 14.4 Kbps
- GPRS Class 8/10 (PCS version only) up to 85.6 Kbps
- Coding schemes CS1 to CS 4
- PBCCH support

FAX:

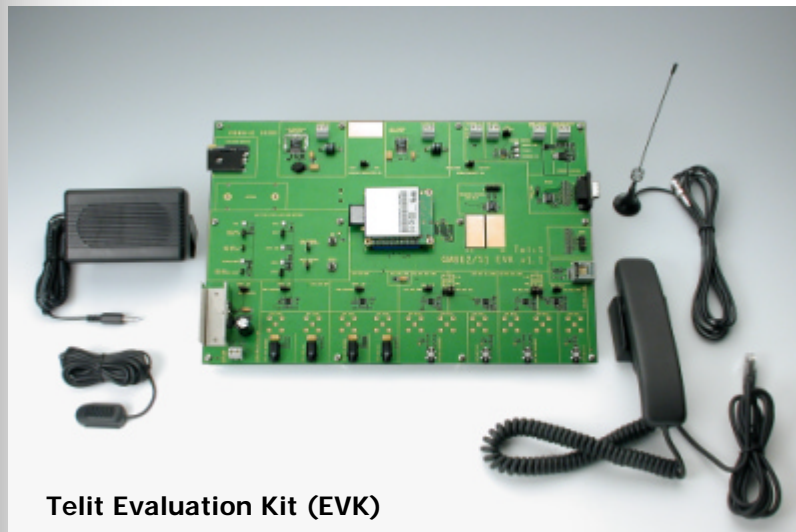
- Group 3

GSM SUPPLEMENTARY:

- Call Forwarding & Barring
- Call Waiting & Call Hold
- Advise of Charge
- 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
- "EASY GPRS" TCP/IP Internal Stack (GPRS & PCS versions only)
- "EASY CAMERA" direct colour camera support (PCS version only)



Telit Evaluation Kit (EVK)

Telit Evaluation Kit (EVK) helps you to develop your Telit GM862 modules based applications, dramatically reducing your time-to-market

Telit EVK interfaces the Telit GM862 modules with appropriate power supply, external SIM card reader, RS232 serial port, handset and hands-free connections.



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The Telit logo, featuring a stylized orange and yellow 'T' above the word 'Telit' in a bold, black, sans-serif font.