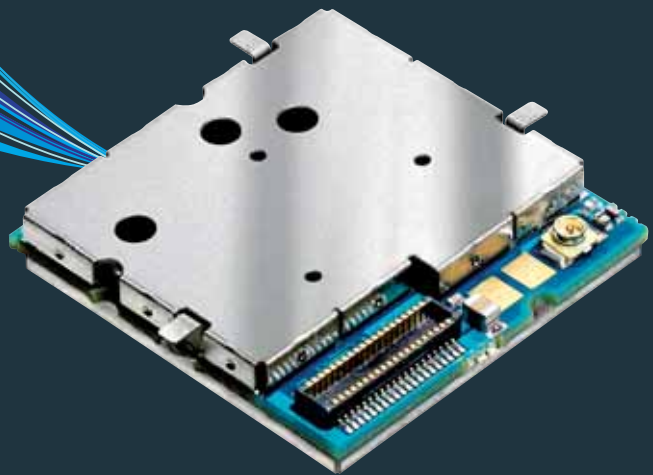


SAGEMCOM

HiLo 3G
HSDPA M2M MODULES

Driving Tomorrow's Global Wireless Technology



HSDPA 3.6 Mbps and EDGE/GPRS Class 12

Triple bands for WCDMA: 900 / 1900 / 2100 or 850 / 1900 / 2100 Mhz

Full Quad band Support: for GSM/GPRS/EDGE

850/900/1800/1900 MHz

Extremely small Form Factor (27 mm x 27 mm x 4.8 mm)

Extended operational temperature range (from -40°C up to +85°C)

Very low power consumption (< 1,7 mA in Idle mode)

Ruggedized design for automotive & industrial applications



Sagemcom introduces its new HSDPA solution for all your M2M applications:

- Scalability from 2G to 3G: HiLo 3G module offers an easy path to future upgrades based on HiLo 2G solutions. This backward and forward compatibility ensure a reliable, high quality and cost efficient solution that preserves your technology investment.
- Smallest HSDPA module available on the market (27mm x 27mm, HiLo 3G perfectly suits all your applications for which size matters! (Track&trace, POS, security...).
- Thanks to its extremely low power consumption, HiLo 3G increases the autonomy of your battery-powered applications (POS, Track&trace, security phones...).
- Lowest power consumption: HiLo 3G increases the autonomy of your battery-powered applications (POS, Track & Trace, security phones...).
- Most extended t^* range and best in class sensitivity, HiLo 3G meets your specific automotive requirements.

Moreover, by choosing Sagemcom, you decide to choose:

- A world class manufacturer who controls its own production capacity.
- A technology validated and approved worldwide.
- A top of the range technical support.
- The highest standards of quality.

TECHNICAL FEATURES

ENVIRONMENT

- 40 Pins Industrial approved Connector
- Size (L x W x H mm): 27 x 27 x 4.8
- Weight: < 6 g.
- Operational Temperature range: -40°C / +85 °C
- Power supply DC voltage (min / max / nominal): 3.0 V / 4.4V / 3.7 V
- Antenna Connection through 50 ohms RF connector or Antenna pad
- Full Type Approved: R&TTE, GCF, PTCRB, FCC, Rohs Compliancy
- Consumption in Standby mode (can receive a call): < 1.7 mA
- Consumption in off mode: < 30 μ A
- Enhanced mechanical integration for ruggedised environment

RADIO LINK

- HSDPA 3G Triple Band support (900 / 1900 / 2100 or 850 / 1900 / 2100 Mhz)
- Full Quad Band GSM/GPRS/EDGE: EGSM 850, 900,1800, 1900 Mhz.
- GPRS Multislot Class: class 12: 86 Kbps for DL & UL Coding schemes CS 1-4
- EDGE Multislot Class: class 12: 236.8 Kbps for DL & UL Coding schemes MCS 1-9
- HSDPA Supports Cat: 5/6 385 Kbps for UL, 3.6 Mbit for DL

DATA INTERFACES

- 1 complete 8 lines serial Interface
- 1 USB full speed interface
- Full Hardware and Software Flow Control
- AT commands set: GSM 07.05; 07.07; Proprietary AT commands
- Data over CSD and Fax supports
- Dedicated multiple GPIO's (digital)

AUDIO INTERFACE

- Voice codecs: HR, EFR, FR, AMR
- Analog audio interface
- Echo Cancellation & Noise reduction
- Digital PCM audio interface

GSM FEATURES

- Auto answering for Data call
- Internal Phonebook
- CLIP / CLIR / COLP / COLR
- Call wait / call hold, Conference call
- Call forwarding, Call Barring
- Supports of: FDN, USSD, Sim Toolkit, AoC
- PDU and Text mode SMS support
- Module reset/alarm based on RTC

LOCALIZATION

- SMS CB, Cell ID
- Network cells measurements

SECURITY

- Sim lock supported
- Device lock possibility
- Sim 3V & 1.8 V supported

DEVELOPMENT AND SUPPORT TOOLS

- Extensive Documentations: HW Specs, Application Note, AT command list, pedagogical documentations
- Development board
- Evaluation software tools (HiLo 3G Starter tool...)
- Audio settings tool
- Upgrade tools
- Design, Certification & production support

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