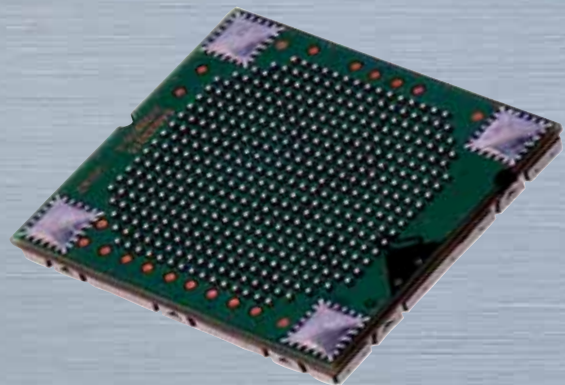


SAGEM XS200

GPRS ENGINE FOR MULTIMEDIA & M2M APPLICATIONS

- Extra Small Concept
- Enhanced rugged mechanical design
- GSM, GPRS Class 10
- Full Quad band 850/900/1800/1900
- Low power consumption (less than 2mA in Idle mode)
- Digital Audio interface
- Multimedia oriented
 - *Windows Mobile RIL driver*
 - *Advanced Audio setting tool*
 - *Optimized manufacturing process*

going 
wireless



SAGEM XS200

GPRS ENGINE FOR MULTIMEDIA & M2M APPLICATIONS

SAGEM introduces its range of M2M GPRS engines. Based on BGA (ball grid array) technology, XS200 is the perfect answer to manufacturers and integrators that develop multimedia and M2M applications, where the size of GPRS engine is important but without compromising the level of features supported. XS200 already includes MMS messaging, TCP/IP stack, high connectivity support, and a wide range of enhanced AT commands ! In today's competitive world, manufacturers can rely on SAGEM's technology and reduce their development efforts ! Thanks to its tiny size, XS200 fits all types of multimedia applications : smartphone, wireless PDA, PCMCIA cards amongs other wireless products. Thanks to its enhanced mechanical design, XS200 is the perfect solution for automotive or ruggedized industrial applications. Finally, benefit from the experience and support of a world class manufacturer, whose technology is already approved by all major operators. With Quad band capabilities 850/900/1800/1900 MHz, XS200 gives access to all GSM networks, and integrate our well known protocol stacks.

TECHNICAL FEATURES

ENVIRONMENT

- BGA 442 Pins Technology
- Size (LxWxH,mm) : 33 x 38 x 3 mm
- Operational Temperature range : -30°C / +75 °C
- Power supply DC voltage (min/max/nominal) : 3.45 V / 4.5 V / 3.8 V
- Full Type Approved : R&TTE, GCF, PTCRB, FCC, Rohs Compliancy
- Consumption in Standby mode (can receive a call) : < 2 mA
- Consumption in off mode : < 120 uA
- Autonomous sleep mode management by Hardware or Software
- Enhanced mechanical integration for ruggedised environment

RADIO LINK

- Full Quad Band : EGSM 850, 900, 1800, 1900
- Output Power : Class 4 (2W) for 850 / 900 Mhz ; Class 1 (1W) for 1800 / 1900 Mhz
- GPRS Multislot Class : class 10 (3+2 & 4+1)
- GPRS baudrates : DL up to 85,6 kbps, UL up to 42,8 kbps
- PBCCH supported
- Coding Scheme : CS1 to CS 4
- Mobile Station Class B

DATA INTERFACES

- USB & 2 serial Interfaces
- Full Hardware and Software Flow Control
- AT commands set : GSM 07.05; 07.07; 07.10, Proprietary AT commands
- Multiplexing 07.10 serial interface
- Built-in data / fax Modem
- Data over CSD 9,6 kbps
- Data over GPRS, TCP/IP Stacks embedded
- Supports of : TCP, FTP, UDP

AUDIO INTERFACE

- Voice codecs : HR, EFR, FR, AMR
- 2 Differential analog audio interface
- Echo Cancellation & Noise reduction
- 1 Digital audio interface
- Dedicated audio channels (handset, headset, car kit, hands-free)

GSM FEATURES

- Automatic hang up 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

MESSAGING

- PDU and Text mode SMS support
- Voicemail indicator (CPHS)
- MMS support (dedicated AT commands)

LOCALIZATION

- SMS CB
- Cell ID
- Network cells measurements

SECURITY

- Sim lock supported
- Device lock possibility
- Dedicated TAC for Customize purpose

DEVELOPMENT TOOLS

- Extensive Documentations : Getting Started series, HW Specs, Application Note, AT command List
- Evaluation board
- Evaluation software tools (TCP-IP, MMS, 07.10 protocol, ...)
- Audio setting tool
- Upgrade tools
- Microsoft Windows Mobile Compliant
- Microsoft RIL drivers

All rights reserved. The information and specifications included are subject to change without prior notice. Sagem Communication tries to ensure that all information in this document is correct, but does not accept liability for error or omission. Non contractual document. All trademarks are registered by their respective owners. Limited company - Capital 300.272.000 Euro - 480 108 158 RCS Paris - SAGEM is a registered brand from Safran Group. 03/2007

SAGEM COMMUNICATION (SAFRAN GROUP)
Broadband Communication Business Group
Systems & Partnerships Business Unit

Headquarters: Le Ponant de Paris
27, rue Leblanc - 75015 Paris - FRANCE
Tel: +33 1 53 23 18 16 - Fax: +33 1 58 12 42 95

www.sagem.com

