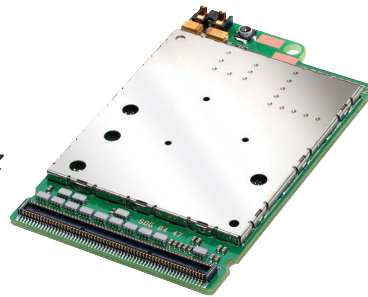


SAGEM MO200 MO200A



Module with embedded Internet connectivity for M2M applications

All MO190 features +
GPRS Class 10, SMS and MMS support
Integrated TCP/IP stack and GPS drivers
Multiplex serial interface and IRDA support
Quad band 850 / 900 / 1800 / 1900 MHz
FTA, GCF, PTCRB, FCC approvals
Voice and data interfaces



SAGEM introduces its new GPRS module MO200 with embedded services for Internet connectivity. Based on well-known Internet protocols, MO200 is the perfect answer to integrators that develop products and applications for machine to machine market. That's why MO200 already includes TCP/IP stack, FTP & TCP socket services and localisation over GPS : enhanced AT commands and drivers.

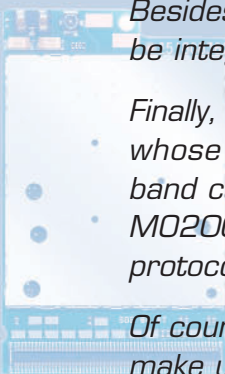
In today's competitive world, manufacturers can rely on SAGEM's technology and reduce their development efforts! Thanks to its technology MO200 allows your device to be directly connected to the Internet for real time data exchanges.

MO200 fits all types of applications : POS & metering systems, tracking and security applications, vending machines.

Besides, because of its compact size and flexibility, MO200 solution can also be integrated in any products you imagine.

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 900 / 1800 / 1900 MHz or 850 / 900 / 1900 MHz, MO200 gives access to all GSM networks, and integrate our well known protocol stacks.

Of course, MO200 takes advantage of MO190 form factor and connector to make upgrades easier. This flexibility eases your development task!

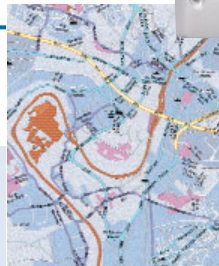


Marketing features

Tiny size
Built-in enhanced functionalities
Advanced GPRS capabilities (GPRS Class 10)
Benefit of the expertise and support of a world class phone maker
Large production capabilities

General features for MO200

Tiny form factors : 54 x 34 x 3 mm
Light weight : 10g
Quad band 900 / 1800 / 1900 MHz (MO200)
or 850 / 900 / 1900 MHz (MO200A)
Class 4 (2W) for 850 / 900 MHz
Class 1 (1W) for 1800 / 1900 MHz
Compliant with ETSI GSM Phase 2+
Type Approved (FTA, GCF, PTCRB, FCC)
Voice codecs : HR / FR / EFR / AMR
Control via AT commands
Ringing tones managements
Basic hands-free operation with echo cancellation



Data features

GPRS class 10
Full PBCCH and ciphering support, class B terminal
Coding schemes CS1 to CS4
CSD up to 9.6 kbps, Fax
MO/MT/CB SMS and MMS support via AT commands
Enhanced AT command set : 07.05, 07.07 and 07.10
SIM Application Tool Kit and USSD
EAP SIM and AUTOPIN support

Enhanced features

Embedded TCP/IP stack
FTP & TCP socket services
Localisation over GPS : enhanced AT commands and drivers.
Integration guidelines available



Interface

120 pins I/O connector with

- Data interface with 2 UARTs including multiplex serial interface with flow control
- Input / Output for audio interface (speaker, microphone)
- 3V SIM interface
- Additional pins (reset, power on, general purpose I/Os, other peripherals)
- NMEA support (for GPS), IRDA interface

Battery connector : power supply and battery charge management
Connection to Antenna : trough RF connector or Antenna pad



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