

INTEGRA

GSM/GPRS - M2100 SERIES



MAKE IT WIRELESS NOW

The internal INTEGRA modem packs everything you need for wireless capability into one compact unit. That means you can put a fully type-approved GSM/GPRS modem in your application without increasing your time to market.

Using WISMO wireless technology, the INTEGRA modem provides complete dual-band GSM/GPRS capabilities. And with proven WISMO technology delivering reliable performance, your product will not only reach the market in record time but will also provide years of dependable service once it gets there.

INSTANT ACCESS IN A SMALL UNIT

Add instant GSM/GPRS
capabilities with one compact unit

Cut your time to market
with full type approval

Make wireless Internet a reality
with advanced features and functions

Create a workhorse
with Integra's proven, reliable performance

wavecom 

PLUG IN TO THE WIRELESS WORLD

INTEGRA SPECIFICATIONS



© The INTEGRA modem GSM/GPRS M2100 series is available in two versions:

- M2103A : 900/1800 GPRS class 2
- M2113A : 900/1900 GPRS class 2

PRODUCT FEATURES

Dual Band integrated GSM modem (EGSM900/1800 MHz or EGSM900/1900 MHz)

Fully Type Approved

Compliant with ETSI GSM Phase 2+ standard (Normal MS)

Class 4 (2W @ 900 MHz)

Class 1 (1W @ 1800/1900 MHz)

Power supply:

- 5 VDC / 1A
- 310mA average current in communication (GSM900, 0% DTX, Pmax)
- 9mA in idle mode (GSM)

Overall dimensions: 46 x 64 x 12mm

Weight: 80g

VOICE, GSM CIRCUIT DATA/FAX, GPRS PACKET DATA, SHORT MESSAGE SERVICES

Voice features (GSM mode):

- Telephony
- Emergency calls
- Full Rate, Enhanced Full Rate and Half Rate (FR/EFR/HR)
- Dual Tone Multi Frequency Function (DTMF)

GSM circuit Data/Fax features:

- Data circuit asynchronous, transparent and non transparent up to 14,400 bits/s
- Automatic fax group 3 (Class 1 and Class 2)
- MNP2, V.42bis

GPRS packet Data features:

- GPRS Class 2
- Coding Schemes: CS1 to CS4
Compliant with SMG31bis

Short Messages Services features (GSM or GPRS mode):

- Text and PDU
- Point to point (MT/MO)
- Cell Broadcast

GSM SUPPLEMENTARY SERVICES

- Call Forwarding
- Call Barring
- Multiparty
- Call Waiting and Call Hold
- Calling Line Identity
- Advice of Charge
- USSD
- Closed User Group
- Explicit Call Transfer

OTHER FEATURES

- ME+SIM phone book management
- Fixed Dialling Number
- SIM Toolkit Class 2
- SIM, network and service provider locks
- Real Time Clock
- Alarm management
- Software upgrade through Xmodem protocol
- UCS2 character set management

INTERFACES

MMCX antenna connector for 900 and 1800/1900 MHz

Internal 3V SIM reader

50-pin connector including

the following interfaces:

- 3V SIM (5V SIM with external level shifter)
- Audio: microphones and speakers
- Power supply
- RS-232 serial link supporting:
 - Remote control by AT commands (GSM 07.07 and 07.05)
 - Serial baud rate from 300 to 115,200 bits/s
 - Autobauding (300 to 38,400 bits/s)
- Keypad
- General Purpose I/Os
- General Purpose Serial Interface
- Analog to Digital Converter

MOUNTING

- Vertical and horizontal mounting
- Board to board / board to cable connection

WAVECOM S.A. may, at any time and without notice, make changes or improvements to the products and services offered and/or cease producing or commercialising them.

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