

# Newwavemodem

## WMOi3

GSM Integrated Modem

GSM 900/1800  
GSM 900/1900

- ⊖ **GSM Dual Band**
- ⊖ **Tricodec (FR/EFR/HR)**
- ⊖ **Small size and low power consumption**
- ⊖ **Voice, SMS, facsimile and data transmission**
- ⊖ **Easy remote control by AT commands for dedicated applications**
- ⊖ **Fully Type Approved against GSM Phase 2+ specifications**
- ⊖ **Fully shielded and ready-to-use**



**WAVECOM**  
THE WIRELESS WORLD

# WMOi3

# Specifications

## Product Characteristics

Dual Band GSM module  
(900/1800/E-GSM or 900/1900/E-GSM)  
Normal MS  
Compliant with ETSI GSM Phase 2 standard  
Class 4 (2W @ 900MHz)  
Class 1 (1W @ 1800/1900 MHz)  
External 3V SIM  
Power supply:

- 5 VDC 1A
- 300 mA average current in communication (0% DTX, Pmax)
- 3,5 mA in idle mode

Overall dimensions: 46 x 64 x 12.4 mm  
Weight: 60 g (including shielding)

## Data Features

Data circuit asynchronous transparent and non transparent up to 14,400 bits/s (2,400 bits/s & 4,800 bits/s half-rate)  
Automatic facsimile group 3 (Class 1 & 2)  
Alternate speech and facsimile  
V.42, V.42bis  
GPRS class 2  
E-features:

- WAP
- TCP/IP
- E-mail

## Mechanical

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



## Basic Features

Telephony (TCH/FS) & Emergency calls  
Full Rate, Enhanced Full Rate and Half Rate  
Dual Tone Multi Frequency function (DTMF)  
A5/1 & A5/2 encryption algorithms

## Short Message Service

- point to point MT & MO
- SMS Cell Broadcast
- Return Call Message

## Supplementary services

- Call Forwarding
- Multiparty
- Call Barring
- Phone Book
- Fixed Dialling Number
- Call waiting & Call hold
- Calling Line Identity
- Advice of Charge
- Over The Air SIM data download
- Echo Cancellation
- SIM Toolkit class 2
- SIM Lock
- Net Lock
- USSD

## Interfaces

Single antenna interface for 900 and 1800  
SIM 3V with SIM detection  
Real Time Clock  
RS-232C serial link 3V  
Remote control by AT commands (GSM 07.07 and 07.05)  
Autobauding from 300 up to 115.200  
50 pins connector:

- SIM
- Keypad
- Microphones
- Earphones
- Power supply
- RS-232
- I/O

Specifications subject to change without prior notice



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