



# FASTRACK

GSM/GPRS - M1206

Hardware  
Platform



## ADD WIRELESS CONNECTIVITY TO ALMOST ANYTHING

The Wavecom Fastrack M1206 external modem delivers all the power of state-of-the-art WISMO technology in one unit. Give your application instant GPRS class 10 capabilities by using the embedded TCP/IP protocol stack. Dramatically reduce time to market thanks to full type-approval.

Housed in a rugged metallic casing, the Fastrack M1206 modem is built to withstand the toughest environments. Avoid extra components and subassemblies by embedding your application right on the platform, using Open AT development tools and built-in spare processing and memory capacity.

The Wavecom Fastrack M1206 modem has been optimized for use as the hardware platform for the Wavecom Machine-to-Machine Development Lab.

### SIMPLE, INEXPENSIVE MACHINE-TO-MACHINE APPLICATIONS

**Get a reliable GSM/GPRS Class 10 solution**

**With rugged housing and proven WISMO Within technology**

**Get connected**

**With a simple serial RS232 cable and the optional embedded TCP/IP stack**

**Save time**

**Because the Wavecom Fastrack M1206 is fully type-approved**

**Eliminate extra components & subassemblies**

**By using Open AT development tools to embed your application right on the modem**

**wavecom**

WIRELESS SOLUTIONS FOR EVERYONE

# FASTRACK M1206 SPECIFICATIONS

## PRODUCT FEATURES

Dual Band GSM modem (EGSM900/1800 MHz) designed for data, fax, SMS and voice applications  
Fully Type Approved  
Fully compliant with ETSI GSM Phase 2+ specifications (Normal MS)  
Output power:  
Class 4 (2W @ 900 MHz)  
Class 1 (1W @ 1800 MHz)  
Power supply:  
Input voltage: 5.5-32V

- 5mA in idle mode, 140mA in communication GSM 900 @ 12V
- 5mA in idle mode, 100mA in communication GSM 1800 @ 12V
- Peak 1,7A @ 5.5V

Overall dimensions: 98 x 54 x 25mm  
Weight: 105g

## VOICE, DATA/FAX, SHORT MESSAGE SERVICES

Voice features:

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

GSM 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 10, PBCCH support

Coding schemes: CS1 to CS4  
Compliant with SMG31bis

- Optional embedded TCP/IP stack

Short Messages Services features:

- 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

- RS-232 and audio through mini sub-D 15-pin connector supporting:
  - Remote control by AT commands (GSM 07.07 and 07.05)
  - Baud rate from 300 to 115,200 bits/s
  - Autobauding (300 to 38,400 bits/s)
- Power supply through micro-FIT 4-pin connector
- SMA antenna connector
- Sliding SIM holder (3V/5V SIM interface)

## DELIVERABLES

- User guide
- Power supply cable
- Y-cable for data and audio connection (optional)
- Fixing equipment

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