Wavecom’s rugged, discrete Fastrack GSM/GPRS modem has proven itself for stable, reliable performance on wireless networks worldwide for more than five years. Updated with new features, the now legendary Fastrack continues to deliver rapid time to market and painless integration for machine-to-machine applications.

Housed in a rugged metallic casing, 25 mm shorter than the previous version, the Fastrack M1306B now offers two general purpose input/output access points, which can be multiplexed with an I2C bus to connect peripherals. In addition, the new serial auto shut down feature enables a programmable energy conservation mode especially valuable for battery-powered applications.

Fully certified, the dual-band 900/1800 MHz Fastrack M1306B offers GPRS Class 10 capability, supports Open AT and IT protocols such as IP connectivity.

**RUGGED MACHINE-TO-MACHINE RELIABILITY**

**Add wireless to existing applications**
Such as remote control and monitoring, vending, fleet management and others.

**Reduce extra components**
By embedding your application right on the Wavecom platform with Open AT.

**Save time**
Thanks to a fully integrated, fully certified wireless solution.

**Get connected**
And benefit from wireless services: GSM/GPRS data, SMS and voice via a simple serial connection.
M2M modem

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 + Small MS

Output power:
Class 4 (2W @ 900 MHz)
Class 1 (1W @ 1800 MHz)

Power supply:
Input voltage: 5V-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: 73 x 54 x 25mm
Weight: 82g

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
- 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

OTHER FEATURES
- Closed User Group
- Explicit Call Transfer

Interfaces:
- RS-232 and audio through mini sub-D 15-pin connector supporting:
- Serial link auto-shutdown controlled by software (AT)
- Baud rate
- Autobauding

AT commands interface:
- GSM 07.05 and 07.07 AT commands
- Comprehensive set of enhanced AT commands

Open AT APIs:
- Numerous interfaces for embedded applications
- 2x GPIOs/I2C (multiplexed) + power supply through micro-FIT 4-pin connector
- SMA antenna connector
- Sliding SIM holder (3V SIM interface)

APPROVALS
The M1306B is approved worldwide under test standards including:
- Radio and Telecommunication Terminal Equipment (R&TTE), Global Certification Forum – Certification Criteria (GCF-CC), EMC, Safety and Chinese approvals

DELIVERABLES
- User guide
- Power supply cable
- Y-cable for data and audio connection (optional)
- By DDS www.D-D-S.nl

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.

wavecom