M2M modem
FASTRACK GSM/GPRS MODEM
M1306B

DEPEND ON A WIRELESS WORKHORSE

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 to connect peripherals.

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.

wavecom

WIRELESS SOLUTIONS FOR EVERYONE

M2M modem
SPECIFICATIONS

PRODUCT FEATURES

Dual Band GSM/GPRS modem
(EGSM900/1800 MHz) designed for data,
fax, SMS and voice applications
Fully Type Approved
Fully compliant with ETSI GSM Phase 2

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

Input voltage: 5.5V-32V
- 18mA in idle mode, 110mA in
  communication GSM 900 @ 13.2V
- 18mA in idle mode, 80mA in
  communication GSM 1800 @ 13.2V
- 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
- 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

- Advanced Open Software Platform:
  Open AT
- 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:
    - Serial link autoshutdown 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 + 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

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