Product Brief

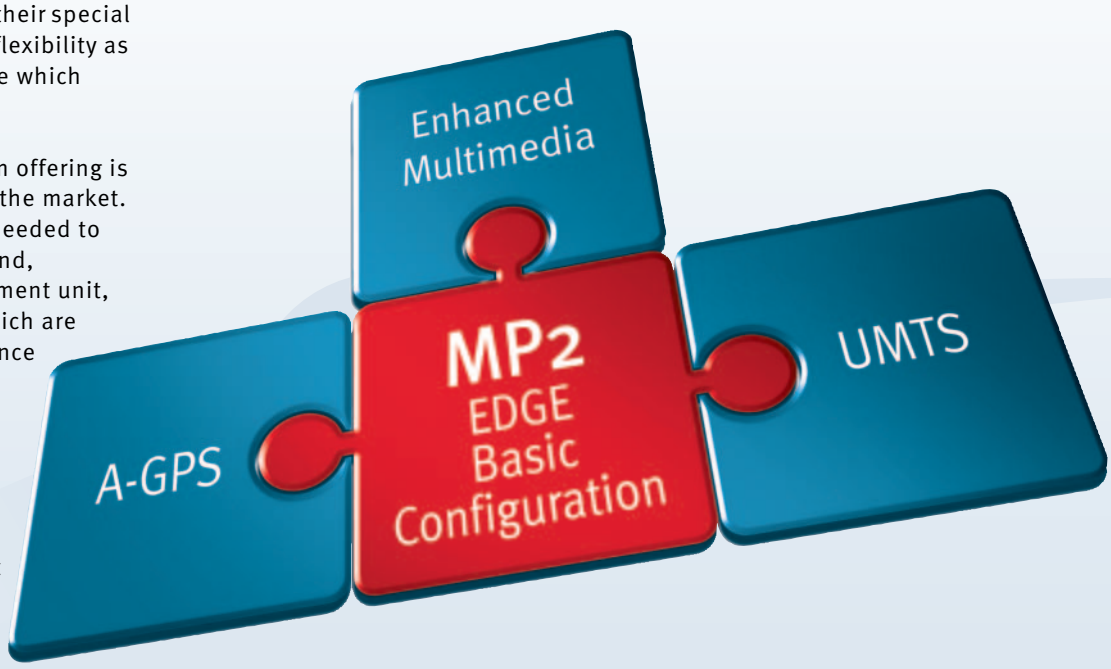


MP2

The multimedia platform MP2 is following Infineon's successful strategy providing complete system solutions for high featured phones supporting all cellular standards from GSM/GPRS, EDGE and UMTS with one unified platform.

The MP2 offering includes several platform options which can be selected by customers to tailor the MP2 to their special needs and to provide highest flexibility as well as a long platform lifetime which guarantees return on invest.

Infineon's multimedia platform offering is the most complete offering in the market. Included are all components needed to build a mobile phone: baseband, RF transceiver, power management unit, Bluetooth and A-GPS chips which are complemented by a HW reference design, an industry leading protocol stack, the APOXI™ application framework and a fully customizable reference man-machine-interface (MMI).



The development environment offered with MP2 includes development boards, a comprehensive tool chain for development support and production and an SDK for the application framework.

Customers will also benefit from Infineon's extensive experience with chipsets and complete customized solutions in the mobile market.

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Mobile Solutions

Infineon technologies

Never stop thinking.

MP2 Standard Configuration

Modem

- RF 2G Band 850/900/1800/1900
- GSM/GPRS/E-GPRS Quadband
- GPRS class 10, CS 1..4
- E-GPRS class 10, MCS 1..9
- Codecs: FR, HR, EFR, AMR
- Protocol stack E-GPRS Rel. 99

Entertainment/Multimedia

- Polyphonic ringer: 40 voices
- High color displays up to QVGA resolution
- Camera support up to 2 Mpixel
- Video rec. QCIF @ 15 fps (MPEG4/H.263)
- Video play QCIF @ 25 fps (MPEG4/H.263)
- Video streaming 15 fps @ QCIF

Connectivity

- Fast IrDA
- USB 2.0 (Full speed) incl. OTG
- MMC
- SD card/SDIO
- Bluetooth

Supported Applications

- Java MIDP 2.0
- 3D graphics
- WAP 2.1
- MMS Rel. 1.4
- SynchML

MP2 UMTS Option

The UMTS option includes all features of the standard configuration plus:

- RF 3G band UMTS FDD
  Uplink: 1920- 1980 MHz
  Downlink: 2110- 2170 MHz
- Data 384 kbit/s UL/DL PS UMTS
  64 kbit/s UL/DL CS UMTS
- Stack Dual mode type II UE
  3GPP Rel. 99 March 03

MP2 Enhanced Multimedia Option

The enhanced multimedia option can be combined with the MP2 standard configuration or UMTS option

- Camera support up to 5 Mpixel
- Display support up to VGA
- Video rec. QCIF @ 30 fps (MPEG4/H.263)
- Video play QCIF @ 30 fps (MPEG4/H.263/H.264)
- Video Streaming 30 fps @ QCIF
- Video conferencing
- DVB-H (option)

A-GPS Option

The A-GPS option can be selected together with all other MP2 configuration

- True indoor capability for global localizations
- Rapid times to first fix
- Leading low power requirements
- Continuous navigation capabilities
- Standards compliant using RRLP
- End to end solution including aiding data service

APOXI™ Application Framework

The APOXI™ Application Framework enables advanced graphic capabilities and includes

- A platform independent, easily reusable environment for rapid development and cost efficient solutions.
- A powerful reference MMI with a broad range of pre-integrated reference applications
- An open API to enable unlimited 3rd party applications
- APIs for SIM, NVRAM, Flash, Display, Audio, Video, Real Time Operating Systems and the TCP/UDP family
- An object-oriented framework, ideal for developing customized “Look & Feel” MMIs & applications
- Support for Java, camera, and a broad range of advanced multimedia codecs
- An innovative roadmap of advanced applications provided by a leading developer network

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