Overview
The Rapid Development Kit for OMAP5912 (RDK), from Mistral, helps OMAP5912 based product developers accelerate their product and application development process. The RDK board is a plug-in module for the OMAP5912 OSK from TI, which supports four RF modules: GPS, GSM/GPRS, WLAN and BLUETOOTH on a single board. The RDK provides product developers with an easy-to-use means of evaluating the wireless functionality of their end application before finalizing on the product design.

The RDK Bundle includes TI’s OMAP Starter Kit (OSK), Mistral’s Q-VGA LCD Module (QVLM), Mistral’s Camera Module (CMQ) and Mistral’s RDK Board along with Windows® CE runtime and drivers.

Features
The RDK Board supports the following features:
- GPS Module interfaced to serial port
- Bluetooth Module interfaced to serial port, McSI
- GSM Module interfaced to serial port, McBSP
- SDIO expansion slot
- On-board NAND Flash
- Mistral’s Camera Module (CMQ) with 640x480 resolution
- 802.11b/g WLAN
- CF Form Factor HDD Interface

Deliverables
The RDK Bundle includes:
- OSK Board *
- QVLM Board **
- RDK Board **
- CMQ Module
- Windows® CE BSP *
- Code Composer Studio™ *
- Optional CF Form Factor, 1" HDD

* Available only as part of Mistral’s RDK Bundle. The OSK Board and Code Composer Studio are available as single products from Spectrum Digital Inc. and TI respectively.
** The QVLM and RDK Boards can be bought separately from Mistral.
† The RDK bundle is available in two flavors:
(i) With Runtime WinCE License
(ii) With Mistral’s WinCE 4.2 Accelerator Program for OMAP5912
Physical Specifications

The RDK Board is designed on a multi-layer printed circuit board using surface mount technology. The printed circuit board measures 156.5 mm x 95 mm x 21 mm.

When connected, the RDK Bundle measures 156.5 mm x 95 mm x 60 mm. It operates at 5 volts at less than 2500 milliamps. Its operating temperature range is 0°C to 70°C (32°F to 158°F).

Availability

• Immediate

Information

For further information please email us at sales@mistralsoftware.com or call +1.972.361.8069 for USA and +91.80.2535 6400 for rest of the world.

About Mistral

Mistral Software is an ISO 9001:2000 certified and CMMi Level 3 appraised premier product realization company providing end-to-end services for product design and development in the embedded space. Mistral has domain expertise in Embedded Real-Time Applications, Communication Protocols, VoIP services, Digital Signal Processing, Board Design and FPGA Design. As a single source for both hardware and software engineering expertise, Mistral’s expert design and development services have improved the quality and accelerated the time-to-market for a broad range of embedded systems.

Mistral Software is a broad market OMAP Technology Center (OTC) offering services in the area of software and hardware design, development and consulting on the OMAP™ platform.