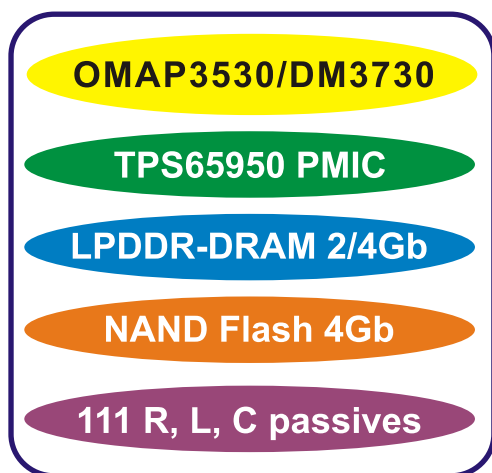


System in Package (SiP) module Specifications

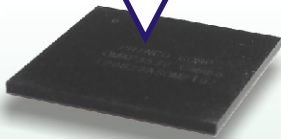
Application Processor Module IC

The Application Processor Module IC, integrates the TI-OMAP3530 / DM3730 SoC chip, TPS65950 power management IC, LPDDR SDRAM chips, Nand Flash and 111 passives components. This miniature module IC is designed to serve as a core building block for video-rich and graphics-rich multimedia applications.

Target applications include:
Smart Phone, Tablet, Multimedia Players, PDA, Human Machine Interface , Hand-held Computing Devices, Smart Control unit, Smart Toys, and More...



integration



Features and Benefits

High Performance with Low System Cost

- ARM Cortex-A8 core, up to 720/1G MHz
- Easy-to-use. (423-pin, 0.8 mm BGA ball pitch)
- 4L-PCB design feasible.

Wireless Connectivity

- Proven Wifi / Bluetooth connectivity.
- GSM / GPRS / 3G connectivity
- GPS module

Small Form Factor with High Reliability

- 21mm x 21mm x 1.25mm
- Ideal for space-constrained handheld devices.
- Proven for industrial grade use. (-40°C to 85°C)

Platform Supported

- WinCE .
- Linux/Android.
- H/W, S/W Reference Design and PCBA total solution available.

Product Highlights and Specifications

- ★ Full-featured OMAP3530/DM3730 Application module
- ★ Cortex-A8 OMAP3530/3730 CPU, 600/720/800/1G MHz. 256/512M byte mobile DDR ram
- ★ WiFi 802.11b/g, Bluetooth Interface
- ★ Graphics controller supporting STN and TFT panels with 1280 x 1024 max resolution
- ★ H.264, H.263, MPEG-4, MPEG-2, JPEG, WMV9 and additional video codecs implemented by IVA2.2
- ★ Subsystem using TMS320C64x+DSP core @ 430/800MHz
- ★ PowerVR SGX GPU providing 2D / 3D graphics acceleration with OpenGL-ES and OpenVG support
- ★ General purpose memory bus
- ★ Camera Interface port
- ★ Sound codec with speaker and microphone support
- ★ USB Slave / Host / OTG ports
- ★ Tiny size: 21x21x1.25 mm
- ★ SD / SDIO / MMC interfaces
- ★ Touchscreen Control
- ★ Serial ports, GPIO
- ★ Very low standby and active power consumption

● Note: Specifications might be changed without notice

Typical Application Block Diagram

