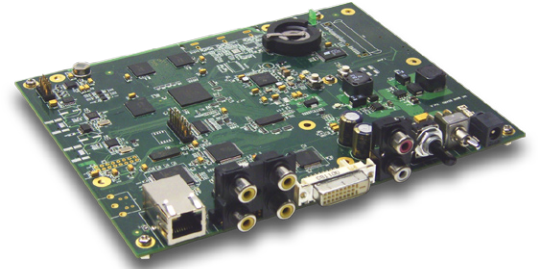


DATASHEET

EMP3530 - High Performance TI OMAP Based Dual Core ARM + C64x DSP

EMP3530 comes with the latest Empower Technologies' Linux Embedded OS (LEOs[®]) for OMAP3530 operating software. Its hardware integrates a high-performance ARM[®] CortexTM-A8 processor along with TMS320C64xTM DSP digital signal processing technology and multimedia acceleration for imaging, video and graphics. This media computer, with the most advanced ARM processor, performs as much as 2.8 times over the previous-generation ARM11 core. It provides major technical advantages in video/image/audio encoding/decoding, video analysis, image processing, sound processing, and has the capability of playing up to 720p HD video. EMP3530 is designed for low-power high-performance applications, and also enables products to be built in smaller size and lighter weight.

LEOs[®] for EMP3530 will allow you to more easily and quickly develop digital media applications. Application code can be written, with easy access via APIs to the ARM + C64x DSP core.



FEATURES

Hardware

- TI OMAP3530 Dual Core processor with ARM Cortex-A8 and C64X+ DSP 600MHz processor (fanless)
- 256MB DDR SDRAM
- 256MB NAND Flash
- Digital DVI-D video out for High Definition Display Panel convertible to HDMI with optional adapter cable (display resolution up to 720p)
- Component video out (display resolution up to 720p)
- Analog Composite video out (NTSC/PAL)
- Stereo speaker output or Audio line out (using jumper)
- SD card slot
- 10/100 Ethernet port (RJ45)
- SATA hard drive supported with internal USB to SATA controller
- IR motion sensor
- Real Time clock with coin cell battery backup
- RS232 port
- PCB dimensions: 150mm X 190mm

Options of expansion board (sold separately):

- 1 USB wireless comm port (choice of USB WiFi or 3.5G GSM modem)*
- Up to 8 USB ports for connection to USB RFID readers*

*supported by AC powered USB external hub

Software

- LEOs[®] Linux Embedded OS onboard
- Codecs available (licensing required)
- LEOs[®] Media Player 1.0 Engine (licensing required)

OPERATING SYSTEMS

LEOs[®] for OMAP3

For availability of other supported OS, please contact Sales for details:

- Windows CE
- Android

EMP3530 PACKAGE CONTENTS INCLUDE

- LEOs[®] for EMP3530 operating software pre-loaded
- EMP3530 Single Board Media Computer
- Quick Start Guide
- End User License Agreement

DEVELOPMENT KIT

EMP3530/03-SDK Media Development Platform sold separately



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