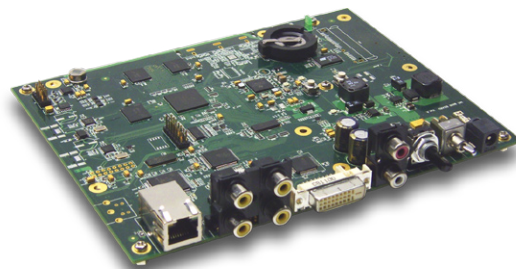


DATASHEET

EMP3530/03-SDK - The Development Kit for EMP3530 and EMP3503

EMP3530/03-SDK comes with the latest Empower Technologies' Linux Embedded OS (LEOs[®]) for OMAP3530 operating software. Its hardware integrates a high-performance ARM[®] Cortex™-A8 processor along with TMS320C64x™ DSP digital signal processing technology and multimedia acceleration for imaging, video and graphics. This media development platform, 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. EMP3530/03-SDK is designed for developer to program applications for EMP3530 and EMP3503 Single Board Media Computer faster and easier.

LEOs[®] for EMP3530/03-SDK 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 dual core for EMP3530 and to the ARM Cortex A8 single core for EMP3503.



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

EMP3530/03-SDK PACKAGE CONTENTS INCLUDE

- LEOs[®] for EMP3530/03-SDK operating software pre-loaded
- LMP1.0 (LEOs[®] Media Player) engine – Allows developer to develop their own stylized media player interface running LMP1.0 media player engine
- OSD – Native TI OMAP35x On Screen Display (OSD) functions are fully supported with enhanced X server
- GTK+ 2.x – Ready to use graphical toolkit that boots cross platform compatibility graphical user interface
- Eclipse/GDB – Ready to use embedded IDE with debugger
- OProfile – Ready to use system-wide profiler for Linux
- Banner and ticker – Functions of banner and ticker are available
- EMP3530 Single Board Media Computer
- EMP3530-SDK CD
- EMP3503-SDK CD
- Quick Start Guide
- End User License Agreements
- Cable set/AC adapter



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