Rapid Development Platform for DM64x Based Systems

DM64x MM

Low-cost, modular solution for rapid development and prototyping multimedia applications

With performance of up to 4800 million instructions per second (MIPS) and 600 MHz speed, Texas Instruments' DM64x Series Digital Media Processors offer cost-effective solutions to high-performance DSP programming challenges.

eInfochips' DM64xMM provides system designers a high performance video & imaging development platform to jump-start their application development. It supports TI's DM64x series digital media processors and offers a solid platform for both hardware and software engineers to evaluate and prototype designs that closely parallel their final applications.

The DM64xMM includes a DM64x System Board, and optional Multi-peripheral Modules with audio, video and other standard interfaces. This modular approach provides designers a low-cost flexible solution for building development environments to suit their end-applications.

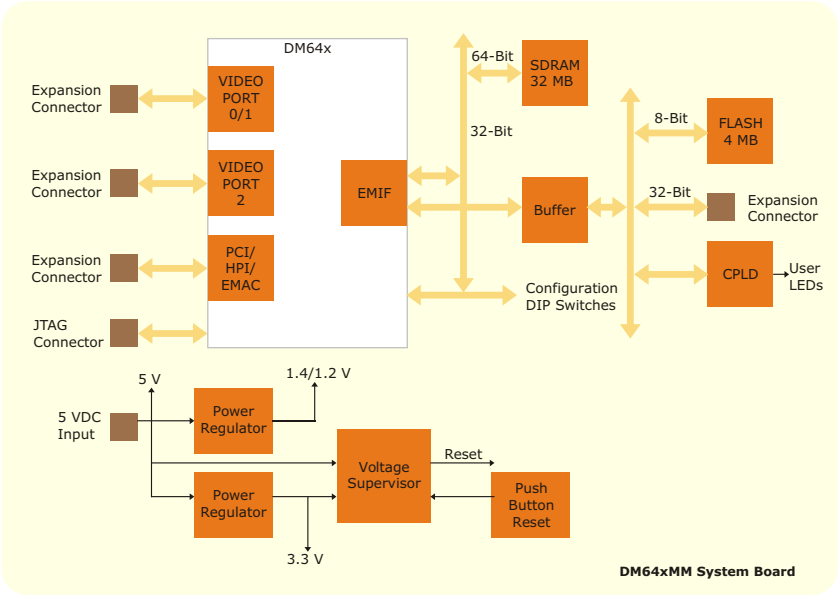
DM64xMM is bundled with board support library (BSL), device drivers, utilities, example source code, and comprehensive user documentation.

Key Features

- Platform for pre-production design, prototyping and evaluation
- Modular design, easy to build variety of applications
  - IP Set-top box, Video Surveillance Systems, IP Video Phone, Video Conference Systems, IP enabled Video Recorders, Home Multi-media Gateway
- Compact from factor ideal for product prototyping
- Compatible to TI DM64x series Digital Media Processors DM642, DM641, DM640
- Optional Multi-peripheral Modules with interfaces:
  - Video & Audio I/O, Ethernet, USB, PCI, IDE, LCD, IrDA, RS232/485, GPIO, RTC
- Bundled with Board Support Library API and utilities

DM64xMM- System Board

- Compatible to TI DM64x series Digital Media Processors - TMS320DM642, TMS320DM641 and TMS320DM640
- Small size: 2.5” x 3.5”
- On-board power supply for standalone applications
- 32M Byte (64-bit), 133 MHz synchronous dynamic RAM (SDRAM)
- 4M Byte on-board Flash for boot and/or data storage
- JTAG emulation support using external 14-pin JTAG emulator
- Device configuration options through on-board DIP switches
- High-density expansion connectors for providing video, EMIF and PCI/HPI/EMAC interface to custom carrier board

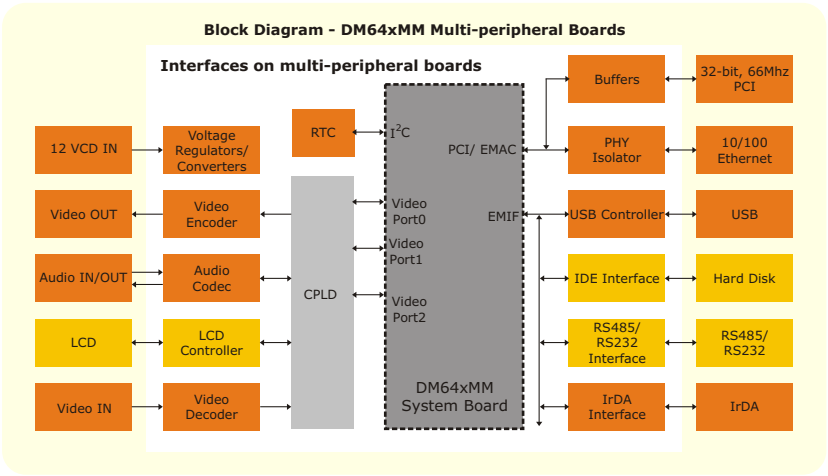


DM64xMM System Board

DM64xMM- Multi-peripheral Modules

Optional multi-peripheral modules with standard peripheral interfaces

- CVBS/S-Video (NTSC/PAL) Video input and output
- Audio I/O with Mic In and headphone ouput
- Standard TFT LCD interface
- Supports 10BASE-T and 100BASE-TX Ethernet connectivity
- 32-bit, 66 MHz PCI Interface
- Supports Hi-speed and full-speed USB 2.0 peripheral connectivity
- IDE standard HDD interface
- RS-485/RS-232 interface
- IrDA interface for wireless, walk-up, line-of-sight connectivity between devices
- RTC Interface for time stamping



Development Platform Contents

- DM64xMM System Board
- Optional DM64xMM Multi-peripheral modules
- Documentation and software CD-ROM with:
  - Board Support Libraries, utilities like board confidence test
  - Firmware with drivers for all the interfaces on the carrier interface board
  - Documentation like technical reference manual and users guide

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