Texas Instruments – DM814x /AM387x Evaluation
TMDXEVM8148

Description

Developed with Mistral, the 8148 Evaluation Module (EVM) enables developers to immediately start evaluating DM814x DaVinci™ digital media processors (DM8148, DM8147, DM8146 and AM387x Sitara™ ARM MPUs (AM3874, AM3872, AM3871) and begin building solutions such as surveillance DVRs, video conferencing systems, video broadcasting systems, media servers, single-board computers, gateways, routers, servers, industrial automation, human machine interfaces (HMIs), point-of-service data terminals, amongst many others.

Features

- Hardware
    - 8148 Evaluation Module (printed circuit board assembly) with connectors for composite video, S-Video, Component Video, serial port, SD, SATA, PCIe, USB, Ethernet, Audio Input/Output, HDMI Tx
    - DM8148 Processor (emulates AM3874)
    - Expansion I/O Daughtercard (printed circuit board assembly) with connectors for DVI in, Component Video in, Composite Video in, HDMI Tx, serial port, Ethernet, and Audio outputs
    - 7" Touch-screen LCD display
    - Power supply and regional adapter
    - Serial, USB, Ethernet and HDMI cables
    - USB mouse
    - SD card (with example software and SDK)
    - SD card reader (for plugging in SD card to PC) JTAG emulator (XDS100)
    - 1 GB DDR3 Memory
- Software
    - DM814x, C6A814x and AM387x Software Development kits provided via included 8GB SD Card

- Documentation
  - 8148 EVM Quick Start Guide
  - Linux SDK SD card content sheet
  - Software license agreement
  - Software and soft copy documents
  - 8148 EVM Hardware User's Guide (SD card)
  - 8148 Software Developer's Guide (SD card)
  - 8148 Software Development Kit (SD card)
  - Sourcery G++™ evaluation tools from CodeSourcery
  - Ubuntu Linux host distribution