

**DM814x /AM387x Evaluation Module Status: ACTIVE**

**TMDXEVM8148**

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**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

**What's Included**

[LINUXEZSDK-DM8148, Linux EZ Software Development Kit \(EZSDK\) for DM8148 / DM8147 DaVinci\(TM\) Processors - BETA](#)



TMDXEVM8148 top view



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Part Number	Texas Instruments	Authorized Distributors	Status	Price (US\$)	Host	OS	Current Version	Version Date
<b>TMDXEVM8148: DM814x /AM387x Evaluation Module</b>	<a href="#">TI eStore</a>	<a href="#">Sample or Buy</a>	ACTIVE		PC	Linux	v2.1	06 OCT 2011
<b>Contact a Distributor</b> - Select a location - <input type="text"/> - <input type="button" value="Go"/>								

[Technical Documents](#)

TI Wikis(4)

Third Party Documents(4)

Title

Date

- [Emulation Wiki -- In-depth technical and "how-to" articles, FAQs, etc.](#) 24 Mar 2011
- [Development Tools, Operating Systems and Embedded Software Wikis - for TI Embedded Processors](#) 08 Aug 2011
- [Development Tools, Operating Systems and Embedded Software Wikis - for TI Embedded Processors](#) 08 Aug 2011
- [Technical Documentation & Schematics for DM814x/ AM387x EVM - from Mistral](#) 08 Sep 2011

**Related Products**

Name	Part Number	Tool Type
<a href="#">Code Composer Studio (CCStudio) Integrated Development Environment (IDE) v4.x</a>	CCSTUDIO	Code Composer Studio(TM) IDE
Name	Part Number	Software Type
<a href="#">Linux EZ Software Development Kit (EZSDK) for DM8148 / DM8147 DaVinci(TM) Processors - BETA</a>	LINUXEZSDK-DM8148	Software Development Kit (SDK)
Part Number	Name	Product Family
<a href="#">AM3871</a>	Sitara ARM Microprocessor (MPU)	Sitara ARM Cortex-A8 and ARM9 Microprocessors
<a href="#">AM3872</a>	Sitara ARM Microprocessor (MPU)	Sitara ARM Cortex-A8 and ARM9 Microprocessors
<a href="#">AM3874</a>	Sitara ARM Microprocessor (MPU)	Sitara ARM Cortex-A8 and ARM9 Microprocessors
<a href="#">TMS320DM8146</a>	DaVinci Digital Media Processor	DaVinci Digital Video Processor
<a href="#">TMS320DM8147</a>	DaVinci Digital Media Processor	DaVinci Digital Video Processor
<a href="#">TMS320DM8148</a>	DaVinci Digital Media Processor	DaVinci Digital Video Processor

**Support and Community**

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