In English

Product alert

TMS320DM6467 (ACTIVE)

Digital Media System-on-Chip

TMS320DM6467 Digital Media System-on-Chip (Rev. H)
TMS320DM6467 DMSoC Silicon Errata Silicon Revisions 3.0, 1.1, and 1.0 (Rev. G)
LSP 2.10 DaVinci Linux Drivers (Rev. A)

Recommended alternative parts

- TMS320DM365 - The device has SIMILAR FUNCTIONALITY but is not functionally equivalent to the compared device.
- TMS320DM355 - The device has SIMILAR FUNCTIONALITY but is not functionally equivalent to the compared device.

Description

The TMS320DM6467 (also referenced as DM6467) leverages TI's DaVinci™ technology to meet the networked media encode and decode digital media processing needs of next-generation embedded devices.

The DM6467 enables OEMs and ODMs to quickly bring to market devices featuring robust operating systems support.

View more

Features

- Get started today with production-ready, easy-to-use audio and video codecs for digital media processors based on DaVinci™ technology. Also available are various O/S Board Support Packages and software updates. All codecs are available for FREE evaluation. REQUEST FREE SOFTWARE!
- High-Performance Digital Media SoC

Software & development tools

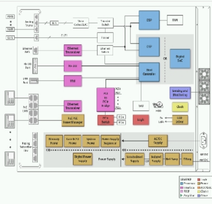
- XDS560 High Performance Debug Probe (JTAG Emulators/ Analyzers)
- Cryptography for TI Devices (Software Libraries)
- TI-RTOS Kernel (Operating Systems (OS/RTOS))
- View All

Diagrams (2)

Block Diagram | Software Overview

Related end equipment

Private Branch Exchange (PBX)
Video Broadcasting & Infrastructure: Scalable Platform
Video Broadcasting: IP-Based Multi-Format Transcoder
X-ray: Baggage Scanner



Parametrics

Compare all products in DaVinci DM64x SOC

	TMS320DM6467
Applications	Communications and Telecom Consumer Electronics Energy Industrial Security Video and Imaging
Operating Systems	DSP/BIOS Linux VLX
DSP	1 C64x
DSP Instruction Type	Fixed Point
DSP MHz (Max.)	594 729
DSP Peak MMACS	5832
ARM CPU	1 ARM9
ARM MHz (Max.)	297 364
ARM MIPS (Max.)	364
Video Acceleration	2 HDVICPs
Video Capability	Decode Encode Multi-Channel Analytics
TI Video Codecs	H.264-BP H.264-MP/HP JPEG MPEG2-MP MPEG4-SP VC1
Video Resolution/Frame Rate	D1 or Less 720p 1080i/p
TI Audio Codecs	AAC-HE AAC-LC G.711 MP3 WMA
Other Hardware Acceleration	Anti-alias Filtering Chroma Conversion Edge Padding VDCE
On-Chip L2 Cache	128 KB (DSP)
On-Chip L1 Cache	56 KB (ARM9) 64 KB (DSP)
General Purpose Memory	Async SRAM GPMC NAND Flash SmartMedia/SSFDC/xD
USB	1
EMAC	10/100/1000
UART (SCI)	3
PWM (Ch)	2
I2C	1
HPI	1
SPI	1
DMA (Ch)	1 32-bit SDRAM (DDR2)
Video Port (Configurable)	1 for Dual SD or Single HD Display 1 for Dual SD or Single HD or Single Raw Capture VPIF
IO Supply (V)	1.8 3.3
Operating Temperature Range (C)	-40 to 105 -40 to 85 0 to 85
Pin/Package	529FCBGA
Rating	Catalog
	Buy Now

Companion parts

Part #	Name	Product Family	Comments
ADS5525	12-bit, 170 MSPS ADC with User selectable DDR LVDS or Parallel CMOS outputs	ANALOG TO DIGITAL CONVERTER - HIGH SPEED ADC (>10MSPS)	
ADS6123	Low Power 12-bit 80MSPS ADC with selectable parallel CMOS or LVDS outputs	ANALOG TO DIGITAL CONVERTER - HIGH SPEED ADC (>10MSPS)	
ADS6125	Low Power 12-bit 125MSPS ADC with selectable parallel CMOS or LVDS outputs	ANALOG TO DIGITAL CONVERTER - HIGH SPEED ADC (>10MSPS)	
ADS6423	Quad 12-bit 80MSPS ADC with serialized LVDS output	ANALOG TO DIGITAL CONVERTER - HIGH SPEED ADC (>10MSPS)	
PTH08080W	2.25 A, 4.5-V to 18-V Input Wide Adjust Miniature Power Module	NON-ISOLATED MODULE - STEP-DOWN (BUCK) MODULE	
PTH08T230W	6-A, 4.5V to 14V Input, Non-Isolated, Wide Output Adjustable Power Module with TurboTrans	NON-ISOLATED MODULE - STEP-DOWN (BUCK) MODULE	
TPS40190	Low Pin Count Synchronous Buck DC/DC Controller	CONTROLLER (EXTERNAL SWITCH) - STEP-DOWN (BUCK) CONTROLLER	
TPS54550	4.5V to 20V Input, 5A Synchronous Step-Down SWIFT™ Converter with Low-Side Gate Driver	CONVERTER (INTEGRATED SWITCH) - STEP-DOWN (BUCK) CONVERTER	
TPS62110	Adjustable, 1.5-A, 17-V Vin Step-Down Converter in QFN-16	CONVERTER (INTEGRATED SWITCH) - STEP-DOWN (BUCK) CONVERTER	
TPS74301	Single Output LDO, 1.5A, Adj.(0.8 to 3.3V), Any or No Cap, Programmable Power-Up Sequencing	LINEAR REGULATOR (LDO) - SINGLE CHANNEL LDO	

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