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TMS320C6678 Evaluation Modules **Status: ACTIVE**

TMDSEVM6678

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Description

TMS320C6678 Lite Evaluation Modules

The TMS320C6678 Lite Evaluation Modules (EVM), are easy-to-use, cost-efficient development tools that help developers quickly get started with designs using the C6678 or C6674 or C6672 multicore DSP. The EVMs include an on-board, single C6678 processor with robust connectivity options that allows customers to use this AMC form factor card in various systems. They also work as a stand alone board.

The software accompanying the 6678L EVM includes the Code Composer Studio™ Integrated Development Environment version 5 (CCS v5), and the Multicore Software Development Kit (MCSDK) that includes the Board Support Package (BSP), Chip Support Library (CSL), Power On Self Test (POST), Network Development Kit (NDK), SYSBIOS, and Out of Box (OOB) Demonstration software.

The emulation capability and software included with the EVMs will allow customers to program the C66x DSP to benchmark algorithms for the C6678/4/2 DSPs.

TMDSEVM6678L - TMS320C6678 Lite Evaluation Module

The TMDSEVM6678L EVM comes with XDS100 onboard emulation capability. In addition, an external emulator via JTAG emulation header can be also be used.

TMDSEVM6678LE - TMS320C6678 Lite Evaluation Module with XDS560V2 Emulation

The TMDSEVM6678LE EVM comes with **XDS560V2 onboard emulation capability**. The included XDS560 mezzanine card uses the TI 60-pin JTAG emulation header.

TMDSEVM6678LXE - TMS320C6678 Lite Evaluation Module with Encryption and XDS560V2

The TMDSEVM6678LXE EVM with **encryption enabled** comes with **XDS560V2 onboard emulation capability**. The included XDS560 mezzanine card uses the TI 60-pin JTAG emulation header.

NOTE: Please contact your **local TI sales representative** to request the TMDSEVM6678LXE.

Features

TMS320C6678, TMDSEVM6678E and TMDSEVM6678LXE all feature:

- Single wide AMC like form factor
- Single C6678 multicore processor
- 512 MB DDR3
- 128 MB NAND Flash
- 1MB I2C EEPROM for local boot (remote boot possible)
- 10/100/1000 Ethernet ports on board (second port on AMC connector)
- RS232 UART
- User programmable LEDs and DIP switches
- 60-pin JTAG emulator header
- Onboard JTAG emulation with USB Host interface
- Board-specific Code Composer Studio™ Integrated Development Environment
- Orcad and Gerber design files
- Multicore Software Development Kit (MCSDK)
- Compatible with TMDSEVMPCI adaptor card

TMDSEVM6678LE & TMDSEVM6678LXE both feature their embedded JTAG emulation with USB Host interface via **XDS560V2**



TMS320C6678 Evaluation Module

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Part Number	Texas Instruments	Authorized Distributors	Status		Host	OS	Current Version	Version Date
TMDSEVM6678L: TMS320C6678 Lite Evaluation Module	TI eStore	Not Available	ACTIVE		PC	Microsoft Windows 2000 & XP; Linux	v2.0	03 FEB 2012
TMDSEVM6678LXE: TMS320C6678 Lite Evaluation Module with Encryption and XDS560V2		Not Available	ACTIVE		PC	Microsoft Windows 2000 & XP; Linux	v2.0	03 FEB 2012
	TI eStore	Buy from distributor	ACTIVE					

TMDSEVM6678LE: TMS320C6678 Lite Evaluation Module with XDS560V2 Emulation					PC	Microsoft Windows 2000 & XP; Linux	v2.0	03 FEB 2012
Contact a Distributor - Select a location - Go								

Technical Documents**More Literature (2)**

Title	Abstract Type	Size (KB)	Date	Views
OpenMP Programming for TMS320C66x Multicore DSPs	PDF	281	14 Nov 2011	2,515
TMS320C66x multicore DSPs for high-performance computing	PDF	1693	04 Nov 2011	3,152

Related Products

Name	Part Number	Tool Type
Code Composer Studio (CCStudio) Integrated Development Environment (IDE) v5	CCSTUDIO	Code Composer Studio(TM) IDE
AMC to PCIe Adapter Card	TMDXEVMPCI	Daughter Cards
Hyperlink Cable	HL5CABLE	Development Boards/EVMs
Name	Part Number	Software Type
SYS/BIOS and Linux Multicore Software Development Kits (MCSDK) for C66x, C647x, C645x Processors	BIOSLINUXMCSDK	Software Development Kit (SDK)
Search for Third Party Products & Services		

Name	Part Number	Company	Headquarters	Location	Type
		3L Ltd	United Kingdom		Development Tools
		3L Ltd	United Kingdom		Operating Systems (OS/RTOS)
Part Number	Name	Product Family			
TMS320C6670	Multicore Fixed and Floating-Point System-on-Chip	C6000 High Performance Multicore DSP			
TMS320C6671	Fixed and Floating-Point Digital Signal Processor	C6000 High Performance DSP			
TMS320C6672	Multicore Fixed and Floating-Point Digital Signal Processor	C6000 High Performance Multicore DSP			
TMS320C6674	Multicore Fixed and Floating-Point Digital Signal Processor	C6000 High Performance Multicore DSP			
TMS320C6678	Multicore Fixed and Floating-Point Digital Signal Processor	C6000 High Performance Multicore DSP			

Support and Community**Customer Tags**

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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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