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C6711 DSP Starter Kit (DSK)

TMDS320006711, [Status: OBSOLETE](#)

Texas Instruments

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Replacement Tools

Name	Number	Company	Tool Type
TMS320C6713 DSP Starter Kit (DSK)	TMDSDSK6713	Texas Instruments	Starter Kits

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Product Description

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The C6711 DSP starter kit provides system design engineers with an easy-to-use, cost-effective way to take their high-performance TMS320C6000 designs from concept to production. The new TMS320C6711 DSP Starter Kit (DSK) not only provides an introduction to 'C6000 technology, but is also powerful enough to use for fast development of networking, communications, imaging and other applications.

Operating at 150 MHz, the 'C6711 delivers an impressive 1200 MIPS and 600 MFLOPs for only (1K units). The to use an innovative 2-level cache memory configuration, which provides high-performance in a very cost-effective solution. **The C6711 DSK replaces and is a superset of the C6211 DSK. The C6711 is binary code compatible with the C6211. I.E. C, assembly and executable code written for the C6211 will run without modification on the C6711.**

Hardware Included

- ❏ 'C6711 DSK Board - Easily connects to a PC through a parallel port cable (included): 150 MHZ 'C6711 DSP
- ❏ 16 MB External SDRAM and 128 KB External Flash - Provides additional program and data storage
- ❏ TI'S TLC320AD535 16-bit Data Converter
- ❏ TI'S TPS56100 Power Management Device
- ❏ JTAG Controller - Provides easy emulation and debugging
- ❏ Expansion Daughter Card Interface - Provides extensible system development

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CE-Compliant Universal Power Supply DSK

Ordering Information: TMDS32006711 includes a standard US power cord, TMDS32006711E version includes both UK & European power cords

Software Included

The 'C6711 DSK comes with an array of DSK-specific software functionality (256 KB software image memory limited), including the highly efficient 'C6000 C Compiler and Assembly Optimizer, Code Composer Debugger and DSK support software (flash utility, sample programs and confidence tests).

The 'C6000 platform's performance is captured by its highly efficient optimized C Compiler and the industry's first Assembly Optimizer. The compiler provides over 80% of the performance of hand-coded assembly on DSP benchmarks using natural C code without intrinsics or modifications to the algorithms. The Assembly Optimizer enables the developer to write linear, RISC-like assembly code and schedule it to deliver optimum efficiency and performance.

Features

The TMS320C6711 DSP Starter Kit includes a C6711-based DSP target hardware module and Code Composer Studio V2.1 based DSK Specific software.

What's Included

- TMS320C6711, Floating-Point DSP [Revision D Recommended for New Designs]
- MatLab 30-day evaluation, eXpress DSP Tour and eXpressDSP for dummies
- Target board specific Code Composer Studio development tools

Alternative Tools / Software

Name	Part #	Company	Tool Type
TMS320C6713 DSP Starter Kit (DSK)	TMDSDSK6713	Texas Instruments	Starter Kits

Technical Documents

User Guides

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TMS320C6000 Code Composer Studio Tutorial (Rev. C) (spru301c.pdf, 1042 KB)

31 Mar 2000 [Download](#)

More Literature

DSP Selection Guide 3Q 2005 (Rev. Q) (ssdv004q.pdf, 4359 KB)

01 Jul 2005 [Download](#)

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Part #	Name	Product Family
TMS320C6711	Floating-Point DSP [Revision D Recommended for New Designs]	C6000™ High Performance DSPs

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