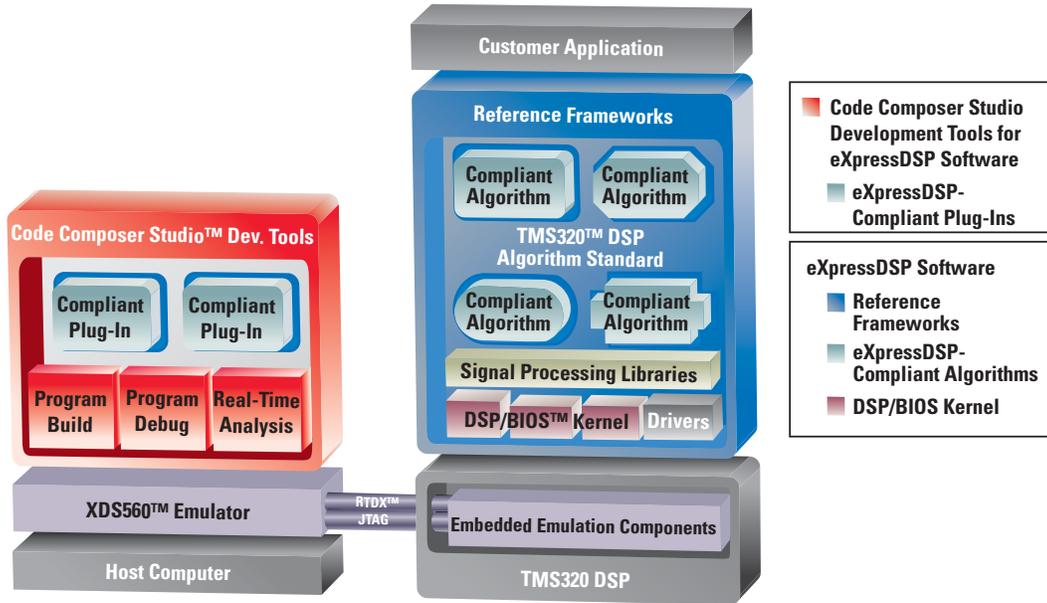


eXpressDSP™ Software and Development Tools

Complete, open, real-time software environment for TI DSPs.

eXpressDSP Software and Development Tools Block Diagram



eXpressDSP Software Development Tools for faster programming and easier integration.

eXpressDSP Software and Development Tools

Code Composer Studio™ Development Tools

- Includes tools for editing, debugging, compiling, code profiling and new tuning tools
- Free evaluation tools available
- Team-based development
- Fast simulators provide deeper visibility for quick and precise problem resolution
- Analysis Tool Kit boosts performance and simplifies tedious guess work with new utilities
- Enhanced Pipeline Analysis tool provides detailed pipeline visibility

XDS560™ Emulator

- PCI-based emulator supporting high-speed RTDX™
- Speeds time-to-market with real-time data transfer rates of over 2 MBytes/second
- Increases productivity with faster start up for larger applications
- Quickly finds and fixes intermittent real-time problems
- Upward compatible with XDS510™ Emulators

eXpressDSP Software

eXpressDSP Reference Frameworks

- Get started today – out-of-the-box framework software
- Adaptable to your needs – 100 percent C-source code
- Pick version just right for you – available for different applications
- Reduces cost – royalty-free run-time licensing (RF1 and RF3)
- Saves time – eliminates design, build and test of low-level parts of DSP solution

eXpressDSP DSP/BIOS Kernel

- No run-time royalty
- Integrated with Code Composer Studio Development Tools
- Includes preemptive multitasking scheduler and real-time analysis

eXpressDSP-Compliant Algorithms

- Available for a myriad of applications
- Written to the TMS320™ DSP Algorithm Standard

TI DSP Third Party Network

- Robust, qualified companies producing thousands of products

TI Part Number	Tool Description	Annual Subscription											Price \$ U.S.	
		Code Composer Studio IDE V12.x GUI	DSP/BIOS™ Real-Time Operating System/Kernel Services	TMS320™ DSP Algorithm Standard Developer's Kit	Code Generation Tools C/C++ Compiler/Assembler/Linker	XDS510™ Device Drivers (Emulation software)	XDS550™ Device Drivers (Emulation software)	RTDY™	Simulator	Target Board (Hardware)	Target-Specific Device Drivers	Emulator		
TMDSGCS6000-1	C6000™ DSP Code Composer Studio™ Development Tools	X	X	X	X	X	X	X	X	X	X	X	X	3,595
TMDSSUB8000	Annual Subscription for C6000 DSP Code Composer Studio	X												600
TMDSOSK6713	C6713 DSP Starter Kit (DSK)		X†	X†	X	X	X	X	X	X	X	X	X	395
TMDSOSK6416	C6416 DSP Starter Kit (DSK)		X†	X†	X	X	X	X	X	X	X	X	X	395
TMDXENV642	TMS320DM642 Evaluation Module													1,995
TMDXDMK642	TMS320DM642 Digital Media Development Kit	X	X	X	X	X	X	X	X	X	X	X	X	6,495
TMDX3PNW6416S	C64x™ DSP Network Video Developer's Kit													4,495
NVDKCCS	C64x™ DSP Network Video Developer's Kit Bundle [§]		X	X	X	X	X	X	X	X	X	X	X	6,595
TMDXVSK642	Video Security over Internet Protocol (VSIIP) Development Platform	X	X	X	X	X	X	X	X	X	X	X	X	15,000
TMDXVSK642-3	VSIIP Development Platform with ATEME Emulator	X	X	X	X	X	X	X	X	X	X	X	X	16,000
TMDSFDFPC10	Fingerprint Authentication Development Tool													245
TMDSGCS5000-1	C5000™ DSP Code Composer Studio Development Tools	X	X	X	X	X	X	X	X	X	X	X	X	3,595
TMDSSUB5000	Annual Subscription for C5000 DSP Code Composer Studio	X												600
SPRC119B	Essential Guide to Getting Started with DSP CD-ROM [¶]		L	L	L	L	L	L	L	L	L	L	L	Free
SPRC049	Code Composer Studio 90-Day Free Evaluation Tools for OMAP CD-ROM		L	L	L	L	L	L	L	L	L	L	L	Free
TMDSGCSOMAP-1	Code Composer Studio for OMAP™ Platform	X	X	X	X	X	X	X	X	X	X	X	X	5,400
TMDSSUBOMAP	Annual Subscription for OMAP Platform Code Composer Studio	X												900
TMDSHFK5407	Hands-Free Kit (HFK) Development Platform													1,495
TMDSOSK5416	C54x™ DSP Starter Kit (DSK)		X†	X†	X	X	X	X	X	X	X	X	X	395
TMDSOSK5510	C55x™ DSP Starter Kit (DSK)		X†	X†	X	X	X	X	X	X	X	X	X	395
INNOVATORENVV1	Deluxe Innovator™ Development Kit for OMAP													2,995
TMDXOSK5912	OMAP5912 Starter Kit (OSK)													295
TMDS3P701016A	LF2407A Evaluation Module (EVM)*		X	X	X	X	X	X	X	X	X	X	X	1,995
TMDSFD2407	LF2407A eZdsp™ Starter Kit*		X	X	X	X	X	X	X	X	X	X	X	295
TMDSFD2401	LF2401A eZdsp Starter Kit*		X	X	X	X	X	X	X	X	X	X	X	495
TMDSFD2812	F2812 eZdsp Starter Kit*		X	X	X	X	X	X	X	X	X	X	X	295
TMDSFS2812	F2812 eZdsp Starter Kit (DSP in Socket)		X	X	X	X	X	X	X	X	X	X	X	449
TMDXZR2812	R2812 eZdsp Starter Kit		X	X	X	X	X	X	X	X	X	X	X	495
TMDSVP2812	F2812 Development Bundle (Parallel Port)		X	X	X	X	X	X	X	X	X	X	X	1,995
TMDSVU2812	F2812 Development Bundle (USB)		X	X	X	X	X	X	X	X	X	X	X	2,295
TMDSGCS2000-1	C2000™ DSP Code Composer Studio Development Tools	X	X	X	X	X	X	X	X	X	X	X	X	495
TMDSSUB2000	Annual Subscription for C2000 DSP Code Composer Studio	X												495
TMDSMU560	XDS560™ PCI-Bus High-Performance JTAG Emulator													3,995
TMDSMU560	XDS510PP-Plus (Parallel Port) Emulator													1,500
TMDSMU560	XDS510™ USB-Based Emulator for Windows													1,995

X = included L = Full featured – Limited to 90 days * Codveloped with Spectrum Digital. † DSK must be connected for Code Composer Studio to run. § Available only in Texas Instruments eStore. ¶ Includes 90-day free evaluation tools.
‡ ARM code generation tools only.

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