TMS320VC5505 eZdsp™ USB Stick Development Tool

Industry's lowest-cost DSP development tool

Texas Instruments

Cost and set-up time with DSP development tools can be a major barrier when evaluating a new digital signal processor (DSP) platform. The TMS320VC5505 eZdsp USB Stick Development Tool was created to lower these barriers. For only U.S. $49, this eZdsp development tool includes a full-featured emulator and integrated development platform.

At this extremely low price point, it is the industry's lowest cost DSP tool, making development accessible to customers, hobbyists, researchers and students. Based on the C5505 processor, the indu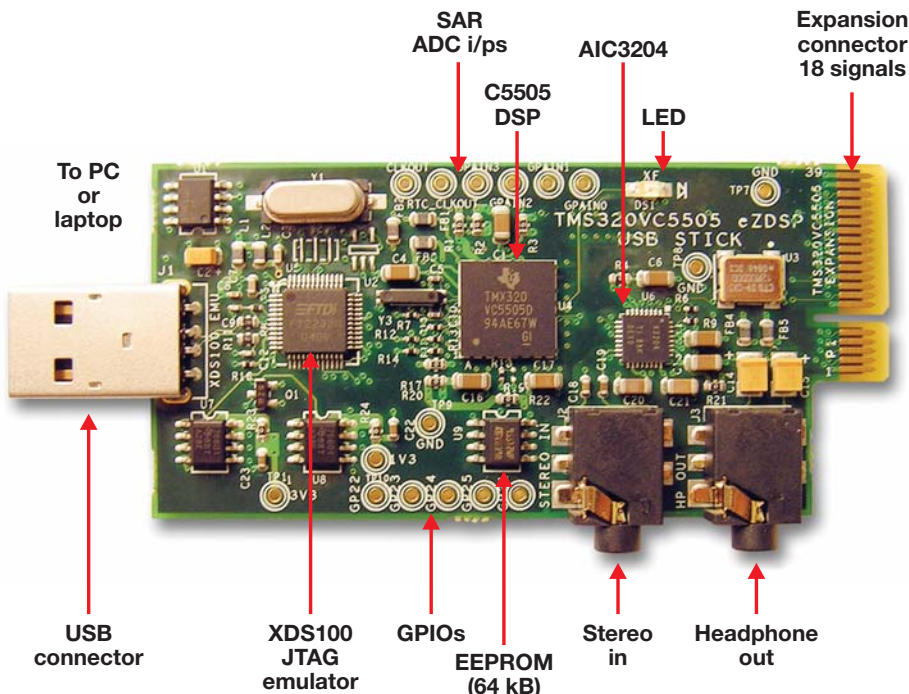stry's lowest power 16-bit DSP with active power consuming less than 0.15 mW/MHz and standby power less than 0.15 mW, customers can design more energy-efficient solutions like portable audio players, voice recorders, IP phones, portable medical devices, biometric USB keys, software-defined radios (SDRs), hands-free headsets with noise cancellation and metering applications.

Technical details

Similar to the size of a stick of gum (3.15 in × 1.5 in), the C5505 eZdsp USB Stick simplifies development by providing integrated features including:

Key features and benefits:

- Industry's lowest-cost DSP development tool for only U.S. $49 eliminates cost barriers
- Based on TMS320VC5505 DSP: the industry's lowest-power 16-bit DSP with less than 0.15 mw/MHz
- Embedded XDS100 emulator for full source-level debug capability
- Includes the complete Code Composer Studio™ version 4 integrated development environment (IDE) free of charge
- USB simplifies setup by eliminating power and interface cables

SAR ADC i/ps C5505 DSP AIC3204 LED Expansion connector 18 signals

To PC or laptop USB connector XDS100 JTAG emulator GPIOs EEPROM (64 kB) Stereo in Headphone out

- Complete Code Composer Studio™ v4 IDE for fast code development
- On-board XDS100 emulator provides complete debug capabilities and visibility inside the processor for algorithm optimization and benchmarking.
- On-board audio codec and connectors allow developers to evaluate the C5505 processor and quickly optimize complex DSP algorithms in terms of performance and power consumption across a variety of design scenarios.

- Energy-efficient C5505 DSP allows the entire development tool to be powered by the USB port – no other components or cables are needed.

Community support

The eZdsp USB Stick will be supported by TI's online community. Complete collateral, Code Composer Studio™ IDE drivers, Chip Support Library (CSL) and all the required production-quality documentation for the DSP is available today. Complete schematics and layout files are available for the tool so customers can use this as a reference for their own system development.

Various examples in audio/musical special effects, digital filter designs and many others will also be available on the community. Special pricing incentives are available for educators, university students and developers that actively participate in community.

www.ti.com/c5505ezdsp_support

Get started today

The feature-rich C5505 eZdsp USB Stick Development Tool (part number: TMDX5505eZdsp) is available now for the low cost of U.S. $49. Pricing includes full XDS100 emulator and the industry-leading CCStudio v.4 IDE.

The C550x generation is supported by TI's extensive Developer Network, as well as a complete Chip Support Library, comprehensive application notes, reference designs, application guides, videos and online communities. With the C5505 eZdsp USB Stick, TI continues to bring powerful yet affordable tools to the entire DSP industry.

TI Worldwide Technical Support

Internet

TI Semiconductor Product Information Center Home Page
support.ti.com

TI Semiconductor KnowledgeBase Home Page
support.ti.com/sc/knowledgebase

Product Information Centers

Americas	Phone	+1(972) 644-5580
Brazil	Phone	0800-891-2616
Mexico	Phone	0800-670-7544
	Fax	+1(972) 927-6377
	Internet/E-mail	support.ti.com/sc/pic/americas.htm

Europe, Middle East, and Africa
Phone

European Free Call	00800-ASK-TEXAS
	(00800 275 83927)
International	+49 (0) 8161 80 2121
Russian Support	+7 (4) 95 98 10 701

Note: The European Free Call (Toll Free) number is not active in all countries. If you have technical difficulty calling the free call number, please use the international number above.

Fax	+(49) (0) 8161 80 2045
Internet	support.ti.com/sc/pic/euro.htm

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Japan

Fax	International	+81-3-3344-5317
	Domestic	0120-81-0036
Internet/E-mail	International	support.ti.com/sc/pic/japan.htm
	Domestic	www.tij.co.jp/pic

Asia
Phone

International		+91-80-41381665
Domestic		Toll-Free Number
	Australia	1-800-999-084
	China	800-820-8682
	Hong Kong	800-96-5941
	India	1-800-425-7888
	Indonesia	001-803-8861-1006
	Korea	080-551-2804
	Malaysia	1-800-80-3973
	New Zealand	0800-446-934
	Philippines	1-800-765-7404
	Singapore	800-886-1028
	Taiwan	0800-006800
	Thailand	001-800-886-0010
Fax		+886-2-2378-6808
E-mail		tiasia@ti.com
		ti-china@ti.com
Internet		support.ti.com/sc/pic/asia.htm

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