



VOL. VI, NO. 1

A MONTHLY NEWSLETTER

JANUARY 2009

FEATURE ARTICLES

[BDTI Releases Benchmark Results for CoreWorks DSP Engine](#)

BDTI has released BDTI DSP Kernel Benchmarks™ results for the SideWorks signal processing engine from CoreWorks, a Portugal-based vendor of licensable silicon intellectual property. [More](#)

[BDTI Releases Benchmark Results for Sandbridge SB3500](#)

BDTI has released the first independent benchmark results comparing the performance of the Sandbridge "Sandblaster" SB3500 multi-core DSP chip to that of massively parallel chips, high-performance DSP processors, and FPGAs. [More](#)

[Jeff Bier's Impulse Response: Soused Signals](#)

So I'm sitting at the Las Vegas airport last week, on my way home from CES, trying to get some work done on my laptop-but I can't. Why? [More](#)

BDTI CASE STUDY

[Evaluating and Choosing Application Processors for Connected Devices](#)

"Connected devices" make up much of the buzz in consumer electronics these days. They are the closest thing to a "killer app" there is-but what exactly are they? [More](#)

ANNOUNCEMENTS

[Newly Announced BDTI Certified™ Benchmark Results](#)

BDTI has announced several new sets of BDTI Certified™ results for processors from Coreworks, Sandbridge, and Texas Instruments. Click the links below to see the results.



- BDTI Certified™ results for the **Coreworks SideWorks** signal processing engine on the BDTI DSP Kernel Benchmarks™. [See results for the Coreworks SideWorks signal processing engine.](#)
- BDTI Certified™ results for the **Sandbridge "Sandblaster" SB3500** multi-core DSP chip on the BDTI Communications Benchmark (OFDM)™. [See results for the Sandbridge Sandblaster SB3500.](#)
- BDTI Certified™ results for the **Texas Instruments OMAP3530** on the BDTI Solution Benchmark™ for H.264 Decoding will be publicly released in the coming weeks.

BDTI Certified™ results for these processors are but a few of many sets of [BDTI Certified results](#) available from BDTI. [Contact Jeremy Giddings](#) at BDTI for details of these and other BDTI Benchmark results.

[Optimized Software for Embedded Applications](#)

Do you need software for your embedded application that:

- *Meets demanding performance and energy efficiency targets?*
- *Allows you to avoid switching processors when you need to support more functionality?*
- *Is delivered on time—with superior quality?*

Then talk to BDTI.

BDTI has a 15-year track record of exceeding customer expectations in developing software for real-time embedded signal processing applications. BDTI is uniquely skilled at finding creative solutions for the most performance-constrained systems. BDTI's skill in programming, combined with deep understanding of signal processing theory and algorithms, delivers software with superior

performance and small code size. BDTI will lower your schedule risk and ensure your product has the performance it needs. One customer has said:

"BDTI's deliverables were orders of magnitude better than other vendors'. BDTI has set a new standard for quality for us." —*Program Manager, Global software company*

Make BDTI your choice for high-performance and highly optimized embedded signal processing software development services. To discuss your project requirements, [contact Jeremy Giddings](#) at BDTI.

INDUSTRY NEWS

[Video: TI powers Palm Pre](#)

LAS VEGAS — Palm chose the TI 3430 processor to power its comeback product, the Pre, announced at the Consumer Electronics Show here. [More](#)

[Marvell pictures GHz ARM in photo frames](#)

SAN JOSE, Calif. — Marvell Technology Group Ltd. is pushing its Sheeva ARM core to GHz levels in the first of a family of integrated processors aimed at consumer and embedded systems. [More](#)

[Octasic announces SDR development group](#)

Octasic Inc., announced the formation of a Software Defined Radio (SDR) development group to provide wireless solutions based upon Octasic's low power, cost-effective, Opus DSP technology targeting current and emerging wireless markets. [More](#)

[Spirit DSP, RMI team up for portable attack](#)

LONDON — Spirit DSP (Moscow, Russia), a developer of embedded software for video and voice applications, has announced a platform and partnership agreement with multicore processor vendor RMI Corp. (Cupertino, Calif.). [More](#)

[Movidia sampling video-editing on mobiles chip](#)

LONDON — Fabless startup Movidia (Dublin, Ireland) has taped out and will be demonstrating at next month's Mobile World Congress in Barcelona its first mobile video processor that is optimized for capturing and editing audio and video clips by users on a mobile phone and other consumer electronics equipment. [More](#)

About This E-Mail

Inside[DSP] respects your time and privacy. If you are not interested in receiving future newsletters on this subject, please reply to this message with the word "UNSUBSCRIBE" in the Subject area.

LETTERS AND COMMENTS TO THE EDITOR: Letters and comments can be directed to the editor, Jennifer Eyre White, at Editor@Insidedsp.com

PASS IT ON... Feel free to forward this newsletter to your colleagues. If this newsletter was forwarded to you and you would like to receive it regularly, [click here to register](#).