

High Performance, Low-cost VoIP Chips Address Critical Performance Issues such as Echo, Latency, and Packet Loss

Kane Computing Ltd announces the availability of a complete suite of application-specific VoIP chips for Texas Instruments TMS320C64x+™ high performance DSPs from Adaptive Digital Technologies.

Plymouth Meeting, PA, February 2, 2009 - Adaptive Digital Technologies (Adaptive Digital), a leading provider of telecom and Voice over IP (VoIP) digital signal processing (DSP) software solutions and voice quality enhancing algorithms, today announced the availability of its complete suite of application-specific VoIP chips. These chips combine Adaptive Digital's field-proven DSP software with Texas Instruments Incorporated (TI) high performance fixed-point TMS320C64x+™ DSPs.

The feature rich VoIP chips include all of the telephony, signalling, tone and voice processing (codecs) necessary to each VoIP application, enabling equipment manufacturers to develop products quickly and cost-effectively.

Targeted VoIP applications include:

- IP Gateway/PBX
- Echo Cancellation (EC)/Packet EC
- GSM/ITU – Wireless Voice Transcoding
- High-Density Conferencing

Each application is hosted on select TI DSPs ranging from the very low cost TMS320C6424 to cover the lower density voice applications to the high performance TMS320C6455 to cover the higher density voice applications.

OEMs and ODMs who develop sophisticated voice-centric applications find our solutions easy to integrate and well optimized for their requirements. Many manufacturers have developed and deployed their products within a short time frame, allowing these manufacturers to attain a competitive advantage.

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Adaptive Digital's VoIP chips address critical performance issues such as echo, latency, and packet loss, greatly reducing the impact of these impairments. The inclusion of Adaptive Digital's AT&T certified "carrier grade" G.168 Plus™ packet echo canceller, which has the unique ability to handle round-trip delays of up to 512 milliseconds coupled with a built-in awareness and handling of packet-loss, makes the VoIP suite unparalleled in quality.

The availability of these integration-ready VoIP chips brings together a winning combination of TI's high performance silicon and Adaptive Digital's field proven high quality software. The VoIP chips are based upon Adaptive Digital's proven voice quality software running on TI's high performance C6424, TMS320C6452, and C6455 devices.

Customization is often very important to equipment manufacturers who wish to differentiate their products by incorporating features that are not available in competing products. Should modifications be necessary for your project, Adaptive Digital can customize a solution to fit your specific requirements. Additionally, for those who prefer in-house product development, source code is available, encouraged, and supported. While other VoIP chip manufacturers do not allow customers to access source code for the purpose of customization, Adaptive Digital recognizes that one size does not fit all. By providing the source code option, Adaptive Digital empowers the manufacturer to customize, innovate and excel in the marketplace.

About Adaptive Digital Technologies, Inc.

Adaptive Digital (www.adaptivedigital.com) develops/licenses highly optimized DSP Algorithms/Solutions for telephony, audio, and video applications. Adaptive Digital's products include network, line, and acoustic echo cancellation, high-density conferencing, speech compression, telephony, and voice quality algorithms. Recognized internationally for its quality software, Adaptive Digital's customers include British Telecom, General Dynamics, Global Crossing, Motorola, Sonus, and Texas Instruments. Adaptive Digital is a member of the TI's Developer Network and is located in suburban Philadelphia, Pennsylvania (USA).

About the Texas Instruments Developer Network

Adaptive Digital is a member of the TI Developer Network, a community of respected, well-established companies offering products and services based on TI analogue and digital technology. The Network provides a broad range of end-equipment solutions: embedded software, engineering services and development tools that help customers accelerate innovation to make the world smarter, healthier, safer, greener and more fun. www.ti.com/dspdevnetwork

TMS320C64x+ is a trademark of Texas Instruments. All product or service names mentioned herein are the trademarks of their respective owners.

About Kane Computing Ltd.

KCL (www.kanecomputing.co.uk) is a Texas Instruments Third Party Partner specialising in consultancy and advice on TI development tools/platforms and image processing applications. KCL offer the widest range of Texas Instruments DSP based hardware platforms, software libraries and tools in the UK as a result of their close relationship with TI and a range of other TI 3rd Parties. Based on 18 years of experience KCL understand what developers need and have the knowledge and resources to provide the correct solutions. KCL has a policy of continual improvement and operates its business in accordance with the requirements of ISO9001:2000.

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