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## Kallastr Adds Media Processing Capabilities to its VoP Modules

KeyTrunk Series now performs echo cancellation, tone detection and voice activity detection, bringing enhanced voice quality to media servers

Kallastr, a leading supplier of computer telephony board-level solutions, is proud to announce the availability of its latest software release 2.0, which adds media processing capabilities to Kallastr's KeyTrunk Series family of Voice over Packet processing boards.

Kallastr's KeyTrunk Series is a cost-effective, high-density board solution, capable of providing media processing simultaneously on all channels whilst leaving host-CPU resources unburdened, unlike other solutions in the computer telephony industry. With release 2.0, Kallastr's Voice over Packet (VoP) the KeyTrunk500 boards support such features as:

- Echo Cancellation, necessary for VoIP and Speech recognition
- Tone Detection and Tone Relay, for ubiquitous user interfaces in enhanced service platforms
- Voice Activity Detection, which saves valuable bandwidth on IP networks and speech enabled applications
- On-board Caching of Prompts, minimizing transfers to and processing on the CPU.

"With software release 2.0, we are pleased to respond to customer requests for support of prompting for enhanced services platforms," explains Frederic Dickey, Director of Sales and Marketing for Kallastr. "Our on-board caching of up to 150 minutes of prompts and play-outs makes the KeyTrunk board ideally suited to meet the increasing demands of the global enhanced service platform market."

KeyTrunk Release 1.0 introduced multi-chassis connectivity, RTP streaming support and VoIP, all of which are rolled into release 2.0. The KeyTrunk300 Series boards with software release 1.0 supports up to 2000 channels. Kallastr releases are available in the Windows and Linux operating systems.

### About Kallastr's KeyTrunk Series

The KeyTrunk Series product family offers a cost-effective, high-density scalable board solution with processing capabilities starting at 128 channels of TDM/IP traffic. The KeyTrunk500 Series board provides enhanced media processing features such as tone detection, playback, echo cancellation, and conferencing to provide an integrated voice processing solution. These features make the KeyTrunk500 Series an ideal media processor for a number of TDM and IP-based voice applications. For example, applications such as Host-Based Media Processing, Prepaid Calling Card systems, Voice-Mail systems and VoIP Trunking can all benefit from the advanced media processing capabilities, as well as the significant cost savings, offered by the KeyTrunk500 Series which can support densities of 128 to 1,000 channels. The KeyTrunk300 Series board solution for open Computer Telephony (CT) systems, can process up to 2,016 channels of TDM traffic and supports RTP streaming using standard RTP/UDP/IP/Ethernet protocol encapsulation. It also provides a VoIP stack that includes ARP, ICMP and RTCP functionality. Various parameters can be adjusted under user control such as the packet size for each channel. The board also incorporates, as a standard feature, a per channel sophisticated Voice Activity Detector (VAD). The VAD enables the implementation of silence suppression schemes to reduce bandwidth for transmission, to reduce storage requirements in messaging and voice-mail systems, and to reduce processing power requirements when further voice processing (such as speech recognition) is required downstream.



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Other specialized features often required for media servers such as IP forking (whereby a TDM channel is multicast over more than one IP packet) are readily supported.

#### About Kallastra

Kallastra designs, develops and markets Voice over Packet processing boards for the computer telephony market, telecommunication infrastructure, as well as enterprise applications. Kallastra has a strong background in Voice over Packet designs; and this expertise is harnessed to create scalable TDM to Packet solutions. Kallastra's products are used in several applications such as RTP multi-chassis interconnection, host media processing systems, and IP trunking. Kallastra also provides ancillary media processing capabilities with its Voice over Packet boards.

For more information about Kallastra and its products, please visit [www.kallastra.com](http://www.kallastra.com), or email [info@kallastra.com](mailto:info@kallastra.com)

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