

InstaVoIP™ Multi-platform Solutions

With the InstaVoIP™ family of products, you can add VoIP capabilities to virtually any device or application. Available pre-optimized for select platforms or with full source code for porting to any platform, InstaVoIP provides a robust VoIP core with a flexible API which allows customization into nearly any end product.

The InstaVoIP Family consists of four distinct offerings:

InstaVoIP Embedded

A full ANSI C source code release allows InstaVoIP Embedded to be used on any platform. Simply porting the Fusion Common Layer (FCL) abstraction to a platform's RTOS/OS, network stack, and file system (optional), and implementing an audio driver channel for the platform's audio hardware is all that is necessary to start making VoIP calls. Additionally, having full source code allows customer changes to be made to the code (such as implementing newer or less popular RFCs) and aids in debugging low-level problems. For more information go to www.unicoi.com/instavoip.

InstaVoIP Mobile

An optimized library release for iOS, Android, Windows Phone 7 and Windows CE environments allows for rapid integration without dealing with any porting or audio issues. Standalone SoftPhone application examples are provided, or the libraries can be integrated into existing applications.

InstaVoIP Desktop

An optimized library release for Windows, Linux, and Mac OS desktops allows for rapid integration without dealing with any porting or audio issues. Standalone SoftPhone application examples are provided, or the libraries can be integrated into existing applications.

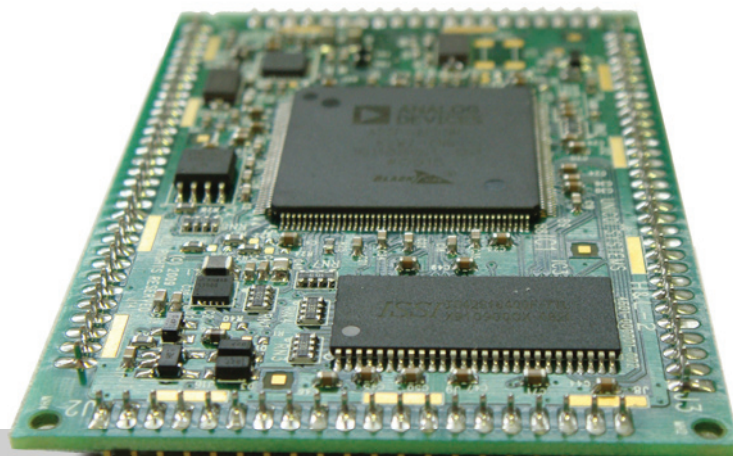
InstaVoIP Module

A hardware/software combination, the InstaVoIP Module is a standalone hardware module ready to be dropped into an existing hardware platform or used as the foundation of a new product. Based on the powerful Analog Devices Blackfin processor, InstaVoIP Module includes an Ethernet connection, 4 MB of firmware and file system storage and a 48 kHz capable stereo audio codec. The efficient Fusion RTOS, robust Fusion Network TCP/IP stack, and InstaVoIP Embedded software are pre-integrated. Out-of-the-box the InstaVoIP module powers up and is immediately capable of creating 5-way conference calls using the G.729 codec and while doing so it still has enough free processing power to run user applications.

The software for InstaVoIP module is available in two varieties: a combination object/source code release, or a full source code release.

In the combination release, the majority of the core code is provided in object format but key sections are provided as source to allow for user expansion. The full source code release is for customers that typically need to modify the core code to implement new functionality, or for those customers who prefer to have the source for debugging purposes.

InstaVoIP



InstaVoIP Module Daughter Card with Blackfin Processor



Sample Application Details

SoftPhone

InstaVoIP can easily be made into a standalone SoftPhone application. Example projects are included in the Embedded, Desktop, and Mobile versions which provide instant functionality and are ready for customer differentiation.

Radio over IP (RoIP)

Radio-over-IP is a growing market that gives traditional radios connectivity into corporate PBXs and/or traditional POTS lines. InstaVoIP Embedded or Module can be used to quickly create devices that bridge these environments for military, public emergency systems, or businesses.

Desktop IP Phone

InstaVoIP Embedded or Module can be used to create enterprise-ready desktop phones that interoperate with the most popular PBX solutions in the market.

VoIP Call Box/Door Entry Phone

InstaVoIP's User Interface API supports simple and highly differentiated user interfaces from a Call Box with its simpler "press this button in case of emergency" interface to highly POS kiosks and industrial control panels.

InstaVoIP Suite Comprehensive Diagram

