

## Dialogic® Host Media Processing Software Release 3.0 for Windows®

Dialogic® HMP Software performs media processing tasks on general-purpose servers without requiring specialized hardware. The software provides media services for building flexible, scalable, and cost-effective next-generation IP media servers and converged telephony applications. Because it is implemented as a software-only product with a variety of media processing configurations, Dialogic HMP Software minimizes investment, development, deployment, and operational costs.

Dialogic® Host Media Processing Software Release 3.0 for Windows® extends the capabilities of software-based IP media processing by introducing security features, video

messaging, and remote interface support. In addition, Dialogic HMP Software 3.0 scales up to 750 concurrent user sessions per system.

To help customers accelerate their time-to-market and migrate existing applications to IP, the software also supports two direct Application Programming Interfaces (APIs): Dialogic® R4 API for media processing and Dialogic® Global Call API for call control. These APIs are consistent with DM3 architecture to enable quick development and migration to a platform using Dialogic HMP Software.

### Features

**Supports up to 750 channels of G.711 and voice play and record on standard server platforms**

**Supports rich media processing on Dual-Core and Quad-Core Intel Xeon processor-based platforms and Dual-Core AMD Opteron processors**

**Supports play, record, and synchronization of voice and H.263-format video in a multimedia stream that includes video I-frame detection to trigger start of record as well as transmit-of-tone notification when recording begins**

**Supports Dialogic® HMP Interface Boards for T-1/E-1**

**Security support of SRTP and SIP TLS**

**Support for local Dialogic® Global Call API and Dialogic® R4 API and MSML for remote support**

**Conferencing features include coaching, active talker notification, tone clamping, echo cancellation, and scalability with a maximum of 580 conferees per system**

### Benefits

Allows high-density media processing on standard servers

Presents a broad choice of processing platforms on which to build cost-effective IP and TDM telephony solutions

Enables media processing for video-based messaging and content delivery media servers

Enables converged solutions in enterprise and service provider environments with easy migration to pure IP platforms

Provides encryption protection at the media layer with SRTP and at the signaling layer with TLS

Uses MSML to allow a remote application to use an HMP-based media server in an IMS environment. R4 API and Global Call API allow easy migration of existing applications by providing compatibility at the API level with other Dialogic® telecom products

Facilitates development of advanced conferencing applications

## Technical Specifications

Resources	The following resources are available: Conferencing Enhanced RTP T.38 Fax Termination IP Call Control Multimedia RTP G.711 Speech Integration Voice
Protocols	H.323, SIP (call control); H.450.2 (call transfer)
Licensing	Node-locked or locked to HMP integrated blade
Memory	Up to 1000 MB recommended (application dependent)
System required	IP-only solutions: Single or dual-processor PCI or PCIe platform with an Ethernet NIC (100Base-TX is recommended) Converged solutions: Single or dual-processor PCI or PCIe platform with an Ethernet NIC and Dialogic® HMP Interface Boards
Operating systems	Windows® XP (including Service Pack2) Windows® Server 2003 Windows® Server 2003 R2 Enterprise Edition

### A Note on Performance

In order to provide real-time media processing performance, Dialogic HMP Software is implemented as a Windows® operating system kernel-mode driver that runs at real-time priority.

To learn more about Dialogic® products, go to [www.dialogic.com](http://www.dialogic.com).

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