

Dialogic® Host Media Processing Software Release 3.1LIN

Product Brief
Dialogic® HMP Software

Dialogic® Host Media Processing Software Release 3.1LIN performs media processing tasks on general-purpose servers based on standard server architecture without requiring specialized hardware. Dialogic HMP Software 3.1 provides media services for building flexible, scalable, and cost-effective next-generation IP media servers and converged telephony applications. Because media processing resources are implemented as a software-only solution with a variety of media processing configurations, Dialogic HMP Software 3.1 reduces investment, development, deployment, and operational costs.

Dialogic HMP Software 3.1 extends the capabilities of software-based IP media processing by introducing support for Dialogic® HMP Interface Boards and 3G-324M, native streaming, native play/record, AMR transcoding, and security features. Dialogic HMP Software 3.1 scales up to 1000 concurrent user sessions, with media processing, per system.



Features	Benefits
Native streaming and native play/record	Improves system performance by reducing CPU load and latency
3G-324M for video-enabled mobile applications	Allows customers to build 3G-324M video solutions and gateways that include support for the AMR-NB coder
Up to 1000 channels of G.711 and voice play/record on Dual Quad Core Intel Xeon processor-based platforms with user applications running on the same system	Supports high density, cost-effective IP and TDM solutions on standard servers
Compatible with Dialogic® HMP Interface Boards (single, dual, and quad span PCI boards that are T1/E1 capable)	Board/HMP combination provides excellent converged TDM/IP and TDM-only solutions
Dialogic® Global Call Software support for SS7 signaling	Allows Dialogic HMP Software 3.1 to be used in single-server solutions for pre-paid wireless and color ring back tone applications that require SS7 signaling and media resources
Secure RTP (SRTP) and SIP Transport Layer Security (TLS)	Provides encryption security at the media layer with SRTP and at the signaling layer with TLS
Dialogic® Global Call API, Dialogic® R4 API, and MSML support	Global Call and R4 APIs allow compatibility with other Dialogic® communications products, providing easy migration of existing applications; MSML interface enables a remote application to use a media server based on Dialogic HMP Software 3.1 in an IMS environment

Technical Specifications

Resources	<p>The following resources are available:</p> <ul style="list-style-type: none">3G-324MAMR-NB coder (Note: Using the AMR-NB resource in Dialogic HMP Software 3.1 does not grant the right to practice the AMR-NB standard. To seek a patent license agreement to practice the standard, contact the VoiceAge Corporation at licensing@voiceage.com)Basic RTP StreamingConferencingFax terminationG.711, G.726 codersG.729, G.723 codersIP call controlMultimediaNative play/recordSpeech integrationVoiceMaintenance
Protocols	H.323, SIP (call control); H.450.2 (call transfer)
Licensing	Node-locked or locked to HMP integrated board
Memory	1 to 2 GB RAM recommended (application dependent)
System requirements	<p>IP-only solutions: Single or dual-processor platform with an Ethernet NIC (100Base-T recommended)</p> <p>Converged solutions: Single or dual-processor PCI platform with an Ethernet NIC and Dialogic® HMP Interface Boards (DNI Boards)</p>
Operating systems	<ul style="list-style-type: none">Red Hat Enterprise Linux 3 (AS/ES/WS with Update 1 or 3)Red Hat Enterprise Linux 4 (AS/ES/WS with Update 1, 2, 3, or 4)Red Hat Enterprise Linux 5 (AS/ES/WS)SUSE Linux Professional 9.2SUSE Linux Enterprise Server 9 (SLES 9)

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