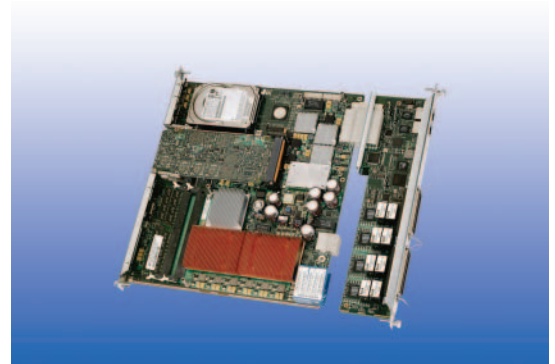


Dialogic® Multimedia Platform for AdvancedTCA

Dialogic® Multimedia Platform for AdvancedTCA (MMP for ATCA) is a powerful and cost-effective product that can be used to deliver applications such as voice and video mail, video portal, Color Ring Back Tones (CRBT), multimedia conferencing, and unified messaging over IP and PSTN interfaces in wireline and wireless environments using standard protocols for session and media control.



MMP for ATCA is designed to meet the needs of Telecom Equipment Manufacturers (TEMs) and other vendors who are building next-generation multimedia processing solutions, especially in the IP Multimedia Subsystem (IMS) framework, while enabling migration from solutions deployed in existing TDM networks. MMP for ATCA provides a comprehensive set of building blocks that developers need to create multimedia server and gateway solutions. Its flexibility allows a choice between running customer-provided software from a local hard drive or standard remote interfaces for media control, configuration, and management.

MMP for ATCA includes hardware and runtime software. In order to enable customers to optimize their spending, various multimedia software runtime licenses are available.

Features	Benefits
Supports multimedia processing with advanced video features such as transcoding and image adjustment	Enables customers to build next-generation multimedia solutions such as video CRBT, video portals, multimedia conferencing, and video-enabled call centers
Supports video, voice, transcoding, conferencing, and fax on the same hardware	Reduces solution footprint and lowers inventory and upgrade costs
Supports a variety of low-bit-rate and wireless audio and video coders	Can be deployed in wireline and wireless networks
Supports IP and PSTN interfaces	Can optimize migration from PSTN to IP
Supports 3G-324M interface	Can be deployed in 3G wireless networks
Supports a widely accepted MSML remote media control interface along with customer-provided interfaces	Speeds time-to-market and lowers development costs for IMS deployments
Uses an open architecture with Intel Architecture 32-bit (IA-32) "local host" and hard drive	Reduces costs by enabling customers to put their entire solution (including an application) on a single blade
Implemented in the industry-standard carrier-grade AdvancedTCA form factor	Lowers development and operational costs and reduces time-to-market
Available with factory-installed and configured operating system and runtime software	Accelerates development and deployment of customer solutions

Technical Specifications

Number of ports	Up to 500 of G.711 (densities for video and other voice coders are lower)
Form factor	AdvancedTCA with AdvancedMC and RTM
Media processing	Voice, T.38 fax, audio conferencing, audio transcoding, video play/record, video transcoding, and video conferencing
Video processing	Play, record, I-update (Video Fast Update), image adjustment (rescale and reframe), transcoding, and text/image overlay
Video image formats	Common Intermediate Format (CIF) PAL at 352 by 288 pixels, Quarter Common Intermediate Format (QCIF) PAL at 176 by 144 pixels, and Sub-QCIF PAL at 128 by 96 pixels
Video frame rates	30, 15, 10, or 6 frames per second
Voice processing	Play, record, tone generation and detection: DTMF (inband and RFC2833), call progress analysis tones, and custom tones
Audio conferencing	Active talker detection, n-way summing (configurable 1 to 6 speakers), DTMF clamping, coach-pupil mode, per party volume control
Play/record coders	Video: H.263 Profile 0 Level 10, 20; MPEG4 Simple Profile Level 0, 1, 2, 3 Audio: OKI ADPCM (24K, 32K); G.711 A-law, μ -law 48K, 64K; Linear PCM 8b 8K
Network coders	Video: H.263 Profile 0 Level 10 (for 3G-324M only), 20; MPEG4 Simple Profile Level 0, 1, 2, 3, 4 and Advanced Simple Profile Level 0 (for 3G-324M only), 1, 2, 3, 4, 5 Audio: G.711 (10 ms, 20 ms, 30 ms frames) G.723, G.726, G.729a/b, AMR-NB, EVRC, GSM-EFR, QCELP
Network interfaces	IP and TDM
Signaling	TDM: Clear Channel (requires a separate SS7 signaling module) IP: SIP-based connection control
IP media	RTP, RTCP, with jitter control and packet loss reduction
Video protocols	3G-324M over TDM (E1) or IP (NbUP) Note: Requires Dialogic® Multimedia Software for AdvancedTCA Release 1.1 or higher
Local APIs	Dialogic® R4 and Dialogic® Global Call APIs with video extensions
Remote media control interface	Media Server Markup Language (MSML)
Manageability	Full remote capability via Command Line Interface (CLI) and SNMP v2 and V3 Supports IPMI v2.0
Ethernet connectivity	Gigabit Ethernet
File I/O	Remote (NFS), local storage (up to 35 GB)
Operating systems	Red Hat Linux Enterprise 4 (customer-provided or pre-installed by Dialogic) SUSE Linux Enterprise Server 9
Storage	37 GB SAS hard drive; 2 GB SDRAM

For more details, go to www.dialogic.com

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10081-05 01/08