



Odin TeleSystems Inc.

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OtxH324M Library

The OtxH324M library is a software library designed for the industry award-winning Odin Telecom framework (OTX) hardware to provide real-time Audio and Video media processing and multimedia communication services (Video conferencing, Video Streaming, etc.) over IP. The OtxH324M library facilitates the 3G Network Audio/Video calls streams decoding over E1/T1 to SIP/RTP Network.

The OtxH324M library has a wide set of functions to select tasks for decoding and sending multimedia data on the basis of TCP/IP protocol.

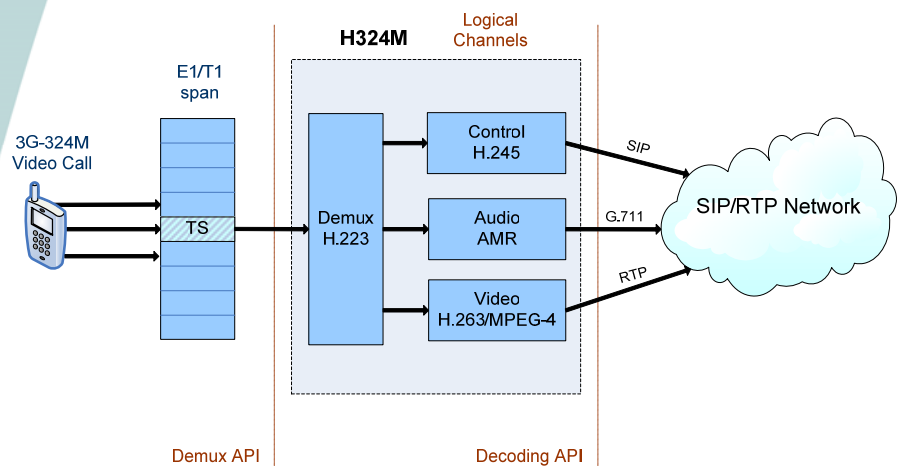
The OtxH324M library supports various Audio Codecs (AMR, G.711), Video Codecs (H.263, MPEG-4) and IP media formats (RTP, RTCP).

The OtxH324M library provides the Demultiplexing and Decoding API levels. On the Demultiplexing API level the H.223 Demultiplexer separates 3G Video Call into multiple media streams such as control, audio, and video. On the Decoding API level these media streams are decoded to operate in the RTP/SIP Networks.

The library is based on the ITU-T H.324 specification and supports 3GPP standards.

The OtxH324M library is supported by multiple types of Odin's OTX-Plus PCI/PCIe and ExpressCard/54 adapter boards. It is also supported by the Odin's Alvis-CSI stand-alone desktop and rack-mountable family of products.

The OtxH324M library is supported by the Win32, Win64, Linux and DaVinci systems.



Feature Highlights

- Uses the standard OTX HW SDK API.
- Provides the Demultiplexing and Decoding API levels.
- Highly optimized library.
- Facilitates 3G-to-2G decoding of Audio and Video data.
- Supports Audio Codecs (AMR, G.711).
- Supports Video Codecs (H.263, MPEG-4) for video-enabled mobile applications.
- Supports IP media formats (RTP, RTCP).
- Supports Control Protocols (SIP).
- Supports Management Protocols (SNMP v3), also enables SNMP traps and monitoring.
- Multiple boards are supported.
- Audio/Video Transcoding applications are offloaded on the powerful DSP core.
- Demo applications are available.

OtxH324M Library Product Brief

Hardware and Software Specifications

<i>The library is supported by the following operating systems platforms:</i>	<ul style="list-style-type: none"> Win32, Win64 (Windows 2000/ XP/ 2003 Server/Vista). Linux (x86, ARM DaVinci).
<i>The library can be configured to run with the following Odin TeleSystems' board combinations:</i>	<ul style="list-style-type: none"> Thor-2-ExpressCard for 2 full T1 or E1 spans. Thor-4-ExpressCard for 4 unidirectional T1 or E1 spans. Thor-2-PCI-Plus for 2 full T1 or E1 spans. Thor-4-PCI-Plus for 4 full T1 or E1 spans. Thor-8-PCI-Plus for 8 full T1 or E1 spans. Thor-8-PCI-Plus-2.0 for 8 full T1 or E1 spans. Thor-2-PCI-Express for 2 full T1 or E1 spans. Thor-2-PCMCIA-PRO for 2 full T1 or E1 spans. Thor-2-PCMCIA-EX for 2 full T1 or E1 spans. Thor-2-PCMCIA-CST for 2 full T1 or E1 spans. Gimle-16-PCI-Plus for 16 unidirectional E1 spans. Gimle-16-PCI-Express for 16 unidirectional E1 spans. Sleipnir-1-PCI-Plus for 1 full T1 or E1 spans. Sleipnir-1-PC104-Plus for 1 full T1 or E1 spans. Alvis-4-CSI: 4 E1/T1s (both transmit and receive) + 1 Ethernet + 1 USB Alvis-4M-CSI: 4 E1/T1 receivers + 1 Ethernet + 1 USB Alvis-8-CSI: 8 E1/T1s (both transmit and receive) + 1 Ethernet + 1 USB Alvis-8M-CSI: 8 E1/T1 receivers + 1 Ethernet + 1 USB

Features

	<ul style="list-style-type: none"> Uses the standard OTX HW SDK API. Provides the Demultiplexing and Decoding API levels. Highly optimized library. Facilitates 3G-to-2G decoding of Audio and Video data. Supports Audio Codecs (AMR, G.711). Supports Video Codecs (H.263, MPEG-4) for video-enabled mobile applications. Supports IP media formats (RTP, RTCP). Supports Control Protocols (SIP). Supports Management Protocols (SNMP v3), also enables SNMP traps and monitoring. It is available up to 8 E1/T1 streams (300 simultaneous channels) that takes the 25% of CPU. Using of the OtxH324M library gives excellent rates of power consumption: approximately 1% per each E1/T1 channel .
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Other features

	<ul style="list-style-type: none"> Audio/Video Transcoding applications are offloaded on the powerful DSP core. Demo applications are available.
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Ordering Information

<i>Product Name / Product Category</i>	<ul style="list-style-type: none"> OtxH324M library / SMA-1034-1
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Contact Information

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Odin, the Odin logo, OTX, OtxH324M, Thor-2-ExpressCard, Thor-4-ExpressCard, Thor-2-PCI-Plus, Thor-4-PCI-Plus, Thor-8-PCI-Plus, Thor-8-PCI-Plus-2.0, Thor-2-PCI-Express, Thor-2-PCMCIA-PRO, Thor-2-PCMCIA-EX, Thor-2-PCMCIA-CST, Gimle-16-PCI-Plus, Gimle-16-PCI-Express, Sleipnir-1-PCI-Plus, Sleipnir-1-PC104-Plus, Alvis-4-CSI, Alvis-4M-CSI, Alvis-8-CSI, and Alvis-8M-CSI are trademarks of Odin TeleSystems Inc. Other trademarks are the property of their respective companies. Information and specifications subject to change without notice.