



MPAC PSTN/IP Video Server Board

MPAC PSTN/IP Video Server Board and TDAPI 3G-324M access API software allows connection to 3G cellular networks for interactive video telephony and multimedia applications. 3G-324M can be found in over 450 million handsets worldwide. It's the enabling technology for next-generation, revenue-generating, value-added services.

KEY FEATURES

- Up to 240 concurrent H.324 sessions
- Hardware accelerated H.223 multiplexer
- Fully featured H.245 protocol stack
- Portable across MPAC boards
- Play/record video
- Video detection and recording API
- AMR to G.711 audio transcoding on host media processing

KEY BENEFITS

- Low server CPU requirements
- Easy to use APIs
- Flexible call control and switching APIs
- Field-proven FPGA technologies

APPLICATIONS

- 3G-324M server/IVVR
- 3G-324M gateway
- Entertainment
- Information systems
- TV to handsets

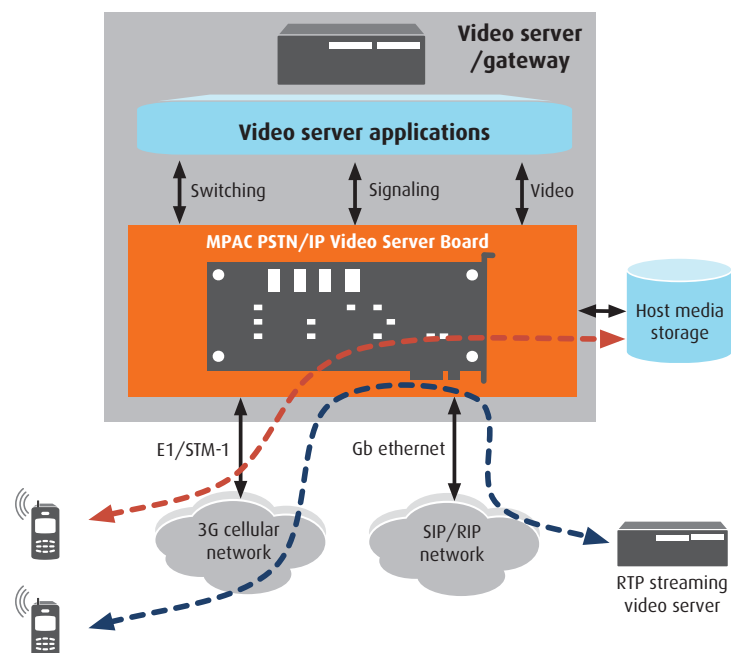
OVERVIEW

The MPAC PSTN/IP Video Server Board allows OEMs and application developers to develop 3G-324M video products for 3G and 4G networks. The board enables interactive media sessions with other 3G-324M enabled terminals (such as 3G enabled handsets). Up to 240 simultaneous 3G-324M multimedia sessions are supported for interactive subscriber video applications including entertainment and information.

Low cost and scalable – The board is a half-width, half-height PCIe, representing the smallest form factor available on the market today. Available with a range of interfaces including E1/T1, STM-1/OC-3 and high-speed ethernet, the easy-to-use board fits in all standard servers allowing for the deployment of video services without the need for expensive hardware.

Flexible – The board provides 3G-324M to IP interworking meaning users have the option of delivering content to handsets (and vice versa) either from IP media servers or the host servers storage devices. The TDAPI 3G-324M access API may be used with the TDAPI call control API to initiate and tear down the video sessions. Both APIs will work concurrently on the same PCIe MPAC board.

Quick to market – The video services are accessed via the TDAPI 3G-324M access API, a simple interface that hides most of the complex underlying procedures and has been proven to shorten development cycles.



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COMPANY OVERVIEW

Major equipment vendors and operators rely on Telesoft Technologies for leading-edge technology. Our extensive experience of real-life SS7, SIGTRAN and SIP networks enables our partners to deliver solutions to the widest possible market, quickly and at minimal cost.

In 1989 Telesoft Technologies set out with a mission to deliver specialist high-density signaling, media and monitoring solutions for deployment in real-world networks.

We continue to impress our customers around the globe by delivering solutions to unique requirements more quickly and more cost-effectively than our competitors.

Features	Comments
Type	Available with 4 E1/T1 or STM-1/OC-3 in a half-height, half-length PCIe form factor or with 8 E1/T1 in a full-height, half-length PCIe form factor
Data links	Up to 240 SS7 signaling data links
Signaling	ISUP, ISDN, BICC, SIGTRAN, SIP
Media transport	2016 bi-directional RTP streams
Video capabilities	240 duplex sessions per board Video dropout (connection to non-video terminals)
Video standards	3GPP 3G-324M ITU-T H.223 Annex A (cellular Level 1) ITU-T H.233 Annex B (cellular Level 2) H.245
Video file formats	.3GP
Specifications	3G-324M as per R99 (3G TS 26.111) ITU-T H.223 Annex A (error handling level 1) ITU-T H.223 Annex B (error handling level 2) ITU-T H.223 Annex C&D (error handling level 3) ITU-T H.245 Version 13 (advanced call control) ITU-T H.324 Annex C (cellular requirements) BICC/MTP ISUP/MTP ISDN (Q.921/Q.931)
Operating system	Linux, Windows, Solaris



MPAC 3220
4 E1/T1 configuration



MPAC 3245
8 E1/T1 configuration



MPAC 3250
STM-1/OC-3 configuration

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