

TDAPI SIGTRAN

Telesoft Technologies' TDAPI SIGTRAN is a software-based protocol stack providing SS7-based signaling protocols over next-generation IP networks.

KEY FEATURES

- Application server mode, IPSP mode or signaling gateway mode
- Uses same TDAPI APIs as the MPAC Telephony Boards
- High performance
- Runs on standard servers, no need for specialist hardware

KEY BENEFITS

- Software-only solution easier to install and maintain than SS7 signaling nodes
- Easily port existing SS7 applications to SIGTRAN
- No specialized hardware required
- High throughput
- Reduce point-code requirements by distributing signaling traffic over IP
- Deployed worldwide

APPLICATIONS

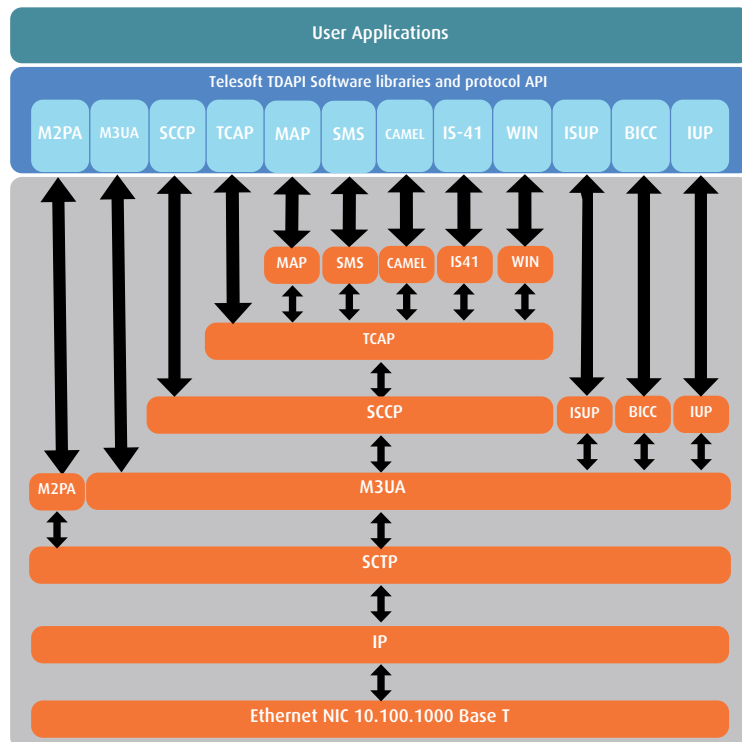
- Signaling gateways
- Protocol converters
- Roaming services
- Cellular network modes: GMSC, SMSC, HLR, MSC/VLR/EIR etc

OVERVIEW

With the growing diversity of networks it is important for equipment manufacturers to provide, and operators to have, solutions that allow them to connect to other external networks and at the same time meet certain performance criteria, i.e. availability and throughput. Telesoft Technologies' signaling capability and solutions are key elements in achieving this and in providing reliable and flexible functionality.

SIGTRAN is a suite of protocols used to transport real-time signaling, e.g. SS7, over IP networks. It is controlled by the IETF which has produced a number of RFC guidelines which allow SS7 to be successfully used in IP environments.

Telesoft Technologies' high-performance TDAPI SIGTRAN stacks allow users to port signaling applications, built for SS7 networks, to IP with minimum effort. The stack supports the same layer 4 protocol stacks and APIs as the MPAC Telephony Boards, allowing simple re-configuration of existing applications. TDAPI SIGTRAN is a software-based solution that runs on standard servers and requires no specialized hardware.



TDAPI SIGTRAN

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.

New TDAPI users will find the API easy to use and ideal for rapid application development. The stack is based on M3UA, the most commonly used adaption layer, and can be configured to work in application server mode, in signaling gateway mode, or IPSP mode. The stack is telco grade supporting high availability systems, either load-share or back-up override.

Features	Comments
Protocols	SIGTRAN protocol architecture (RFC2719) M3UA (RFC 3332)
Performance	9000 TCAP transactions per second
Layer 4 protocols supported	IS-41 WIN, MAP GSM, SMS, CDMA, INAP, CAMEL, BICC, ISUP
Operating system	Linux, Solaris

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