



Odin TeleSystems Inc.

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The OTX Streamer is an E1/T1-to-RTP streaming media gateway application on the top of the OtxRTP library designed for the industry's award-winning Odin Telecom frameworX (OTX) hardware boards and stand-alone systems.

The OTX Streamer solution provides data transfer from various E1/T1 timeslots to RTP end-points, and in the other direction, it allows receiving data from RTP remote points over RTP to E1/T1 timeslots. Voice data is transcoded from G.711 E1/T1 timeslots to RTP (G.723, G.726, G.729, AMR), and vice versa in the other direction.

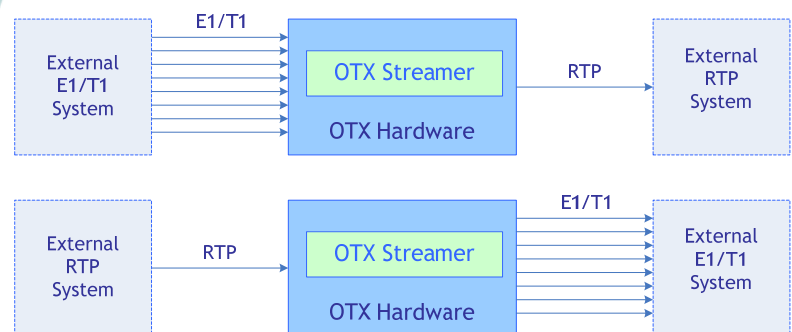
The OTX Streamer application is supported on Odin's Alvis product family (CSI, ASM, PCIe) as well as on Odin's OTX Plus board products (PCI/PCIe). In the case of Alvis, this application runs on the embedded processors on the Alvis product itself. In the case of using this application with OTX Plus boards then this application runs on the x86 host PC.

The OTX Streamer uses the OtxRtp Library which is supported on Win32, Win64, Linux, and DaVinci (Alvis) systems.

The OTX Streamer application can be remotely controlled. The correlation of E1/T1 timeslots within RTP can be configured using a telnet interface. It is also possible to use this application with a static configuration when the program starts.

The OTX Streamer application is a truly flexible product making TDM to RTP packet conversion a breeze.

OTX Streamer



Feature Highlights

- Simultaneous bi-directional data transfer between up to 8 E1/T1 spans and various RTP remote nodes.
- Encoding/decoding of voice data (G.723, G.726, G.729, AMR).
- Integrated SNMP monitoring using the OtxSNMP Library (SNMP Layer1) and LED Alarms indication.
- Built-in jitter compensation to allow RTP packets sequence violations (occurring due to internet packet routes).
- Passive monitoring provides the ability to connect to E1/T1 streams in a non-intrusive mode.
- Optimized data processing using DSP core and OTX DaVinci kernel-to-DSP mode of the OTX DaVinci driver.
- Easy customization of specific requirements.
- Supports IETF RFC 1889, RFC 1890 RTP/RTCP Transport, TCP, UDP, H.323 and SIP standard protocols.
- Compatible with the OTX SDK API.

OTX Streamer Product Brief

Hardware and Software Specifications

The OTX Streamer is supported by the following operating systems platforms:

- Win32, Win64 (Windows 2000/ XP/ 2003 Server/Vista), Linux kernel-2.6

The OTX Streamer can be configured to run with the following Odin TeleSystems' board combinations:

- 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-ASM
- Alvis-E-CSI: 1 Ethernet ports + 1 USB
- 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
- Alvis-PCIe

Features

- Simultaneous bi-directional data transfer between up to 8 E1/T1 spans and various RTP remote nodes.
- Encoding/decoding of voice data (G.723, G.726, G.729, AMR).
- Integrated SNMP monitoring using the OtxSNMP Library (SNMP Layer1) and LED Alarms indication.
- Optimized data processing using DSP core and OTX DaVinci kernel-to-DSP mode of the OTX DaVinci driver.
- Supports IETF RFC 1889, RFC 1890 RTP/RTCP Transport, TCP, UDP, H.323 and SIP standard protocols.
- Compatible with the OTX SDK API.

Other features

- Multi-session mode; the user can create any numbers of listening ports on one system.
- Multi-party conference mode.
- Customizable communication between high and low levels of the RTP protocol.
- All memory allocations are done at the initial phase. There are no memory allocations during runtime which facilitates management of a vast number of connections.
- Optional support for RTCP (Real-Time Transport Control Protocol).

Ordering Information

Product Name / Product Category

- OTX Streamer / SMA-1036-1

Contact Information

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