



Odin TeleSystems Inc.

*Open Telecom for
Open Minds*

The OTX T1E1 Analyzer is a software package for analysis of E1 and T1 spans designed to integrate with the industry award-winning Odin Telecom framework (OTX) family of hardware products.

The OTX T1E1 Analyzer provides a feature-rich and complete set of tools for low level T1 and E1 analysis. It contains modules such as Record and Playback of individual timeslots, Bit Error Rate Testing (BERT), and HDLC transmission and reception.

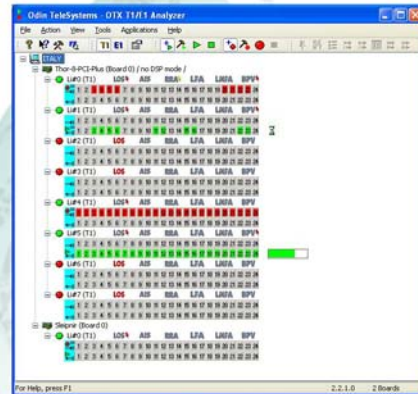
Recorded data can be viewed in a hexadecimal spreadsheet form, or as a waveform in an oscilloscope display. The playback module supports playback of multiple formats, such as raw binary, or WAV format.

The BERT module features transmission and reception of a variety of common bit patterns, and the auto-detection feature of a test pattern makes BERT testing a simple and easy-to-use operation.

The graphical interface is designed to provide a comprehensive view of the status of multiple T1 and E1 spans; possibly hosted by multiple OTX boards.

So whether you are looking for the best in T1/E1 BER testing or T1/E1 Record/Playback testing, the OTX T1E1 Analyzer software application deliver results in a complete and value-based package.

OTX T1E1 Analyzer



Feature Highlights

- Recording of individual or multiple timeslots over multiple T1/E1 spans.
- Playback of individual or multiple timeslots over multiple T1/E1 spans.
- Bit Error Rate Test module with support for a variety of standard test patterns as well as customized patterns.
- Recorded data can be saved in a variety of formats making it easy to export the recorded data into other tools.
- The Playback module can play file of various formats imported from other tools.
- HDLC module providing encoding/decoding over multiple timeslots and multiple spans.
- Listen to selected timeslots via the soundcard in the PC.
- Support for multiple OTX boards in the same system.
- Supported by multiple types of Odin's OTX Telecom Adapter Boards.

OTX T1E1 Analyzer Product Brief

Hardware and Software Specifications

<i>The software is supported by the following operating systems:</i>	<ul style="list-style-type: none"> Windows 2000, Windows XP, and Windows 2003 Server
<i>The software can be configured to run with the following Odin TeleSystems' board combinations:</i>	<ul style="list-style-type: none"> Thor-2-ExpressCard, which provides analysis capability (recording/playback/BERT/HDLC) for 2 full T1 or E1 spans. Thor-4-ExpressCard, which provides analysis capability (recording/playback/BERT/HDLC) for 2 full T1 or E1 spans, or recording, BERT reception, and HDLC reception capability for 2 bidirectional T1 or E1 spans. Thor-2-PCMCIA-CST/EX/PRO versions, which provides analysis capability for 2 T1 or E1 spans and recording/playback limited to 15 timeslots. Thor-2-PCI-Plus and Thor-2-PCI-Express, which provides analysis capability (recording/playback/BERT/HDLC) for 2 full T1 or E1 spans. Thor-8-PCI-Plus, which provides analysis capability (recording/playback/BERT/HDLC) for 8 full T1 or E1 spans. Sleipnir-1-PCI-Plus, which provides analysis capability (recording/playback/BERT/HDLC) for 1 full T1 or E1 span. Gimle-16-PCI-Plus, which provides recording, BERT reception, and HDLC reception capability for 8 bidirectional T1 or E1 spans.

Function Modules

<i>Record/Playback:</i>	<ul style="list-style-type: none"> Flexible timeslot selection dialog for recorded data. Recording setup can be saved for consistent regression tests. Optional Time or Byte count recording limit. Multiple data format for recorded data (Binary, SingleFolder, MultiFolder). Flexible timeslot selection dialog for playback of data. Playback compilation with support for multiple format (Binary, WAV, SingleFolder, MultiFolder) of playback files. Optional continuous looping option for played data. Timeslot compilation can be saved for consistent regression tests.
<i>HDLC:</i>	<ul style="list-style-type: none"> Transmit a specified byte pattern in HDLC frames in one or more timeslots Receive (byte decoding) of HDLC frames from one or more timeslots Support for sub-channels (8, 16, 32 kbps) and super-channels (N*64kbps)
<i>BERT:</i>	<ul style="list-style-type: none"> QRSS, 2⁶-1, 2⁹-1, 2¹⁰-1, 2¹¹-1, 2¹⁵-1, 2²⁰-1, 2²³-1, All Ones, All Zeros, 1:1, 1:3, 3:1, 1:7, 7:1, 3-in-24 and 2-in-8 bit patterns. Timeslot selection for bit patterns. Ability to insert single BPV or CRC error. Auto-detection mode for automatic detection of bit patterns. Ability to construct and transmit custom bit pattern.

Other features

	<ul style="list-style-type: none"> Framed or unframed mode. Synchronous start of recording and playback between separate E1 and T1 spans. Hex Viewer for recorded data. T1E1 Line Status and History information. Oscilloscope viewer for recorded voice data. Snapshot viewer of all timeslots on a T1 or E1 span.
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Ordering Information

<i>Product Name / Product Category</i>	<ul style="list-style-type: none"> OTX T1E1 Analyzer Base Application / SAA-1011-1 Record/Playback Module / SMA-1026-1 HDLC Encoding/Decoding Module / SMA-1014-1 BERT Module / SMA-1015-1
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Contact Information

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Odin, the Odin logo, OTX, OTX T1E1 Analyzer, Thor-2-PCMCIA-CST/EX/PRO, Thor-2/4-ExpressCard, Thor-2-PCI-Plus, Thor-2-PCI-Express, Thor-8-PCI-Plus, Sleipnir-1-PCI-Plus, and Gimle-16-PCI-Plus are trademarks of Odin TeleSystems Inc. Other trademarks are the property of their respective companies. Information and specifications subject to change without notice.