



Odin TeleSystems Inc.

*Open Telecom for
Open Minds*

The OtxHdlcEx library is an HDLC decoding and encoding software library designed to integrate with the Hardware API for the industry award-winning Odin Telecom framework (OTX).

The OtxHdlcEx library provides highly optimized code for HDLC encoding and decoding with support for low-level SS7 (MTP-L2) functionality such as FISU filtering and FISU generation.

Integration with the burst functionality of Odin's OTX-Plus PCI cards allow the OtxHdlcEx library to operate on a vast number of HDLC channels simultaneously at the cost of relatively few host CPU processing cycles. The OtxHdlcEx library can easily operate on 31 timeslots per span without overloading the host CPU. With the proper host CPU, the OtxHdlcEx library can support applications up to 744 HDLC channels in one system.

So if you are looking for a powerful HDLC decoding or encoding library, the OtxHdlcEx library deliver results in a complete and value-based package.

OtxHdlcEx Library



Feature Highlights

- Support for multiple HDLC channels—can operate on all timeslots of multiple T1 and E1 spans .
- Highly optimized implementation which results in low CPU MIPS consumption .
- Support for FISU filtering/generation.
- Support for LSSU filtering/generation.
- Support for multiple OTX boards in the same system.
- Supported by multiple types of Odin's OTX-Plus PCI Adapter Boards.

OtxHdlcEx Library Product Brief

Hardware and Software Specifications											
<i>The library is supported by the following operating systems:</i>	<ul style="list-style-type: none"> Windows 2000, XP, 2003 Server Linux 										
<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, which provides HDLC capability (decoding/encoding) for 2 full T1 or E1 spans. Thor-4-ExpressCard, which provides HDLC capability (decoding/encoding) for 4 unidirectional T1 or E1 spans. Thor-2-PCI-Plus, which provides HDLC capability (decoding/encoding) for 2 full T1 or E1 spans. Thor-2-PCI-Express, which provides HDLC capability (decoding/encoding) for 2 full T1 or E1 spans. Thor-8-PCI-Plus, which provides HDLC capability (decoding/encoding) for 8 full T1 or E1 spans. Sleipnir-1-PCI-Plus, which provides HDLC capability (decoding/encoding) for 1 full T1 or E1 spans. Gimle-16-PCI-Plus, which provides HDLC decoding capability for 16 unidirectional E1 spans. Sleipnir-1-PC104-Plus, which provides HDLC capability (decoding/encoding) for 1 full T1 or E1 spans. 										
Features											
<i>Decoding:</i>	<ul style="list-style-type: none"> Payload of decoded HDLC frames delivered via API function. Optional FISU and LSSU filtering (SS7 MTP-L2). Accepts both Flags and All Ones as Timefill character. CRC check. Accurate timestamp of decoded frames based on the E1 and T1 frame counter. 										
<i>Encoding::</i>	<ul style="list-style-type: none"> Multiple HDLC frames queued up for transmission. Optional FISU and LSSU generation (SS7 MTP-L2) following MSUs. Selectable Timefill character (Flags and All Ones) . Automatic CRC generation, or optional manual CRC generation. 										
Other features											
	<ul style="list-style-type: none"> Support for multiple channels (all timeslots of a T1 and E1 span) Low CPU load consumption 										
Ordering Information											
<i>Product Name / Product Category</i>	<ul style="list-style-type: none"> OtxHdlcEx Library / SMA-1014-1 										
Contact Information											
<i>For more information on the OtxHdlcEx library, please contact:</i>	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">Odin TeleSystems Inc.</td> <td style="width: 40%;">Tel: +1-972-664-0100</td> </tr> <tr> <td>800 E. Campbell Road, Suite 334</td> <td>Tel: 1-888-ODINTSM</td> </tr> <tr> <td>Richardson, TX 75081-1873</td> <td>Fax: +1-972-664-0855</td> </tr> <tr> <td>USA</td> <td>Email: info@odinTS.com</td> </tr> <tr> <td></td> <td>Web: www.odinTS.com</td> </tr> </table>	Odin TeleSystems Inc.	Tel: +1-972-664-0100	800 E. Campbell Road, Suite 334	Tel: 1-888-ODINTSM	Richardson, TX 75081-1873	Fax: +1-972-664-0855	USA	Email: info@odinTS.com		Web: www.odinTS.com
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