Odin TeleSystems Inc.

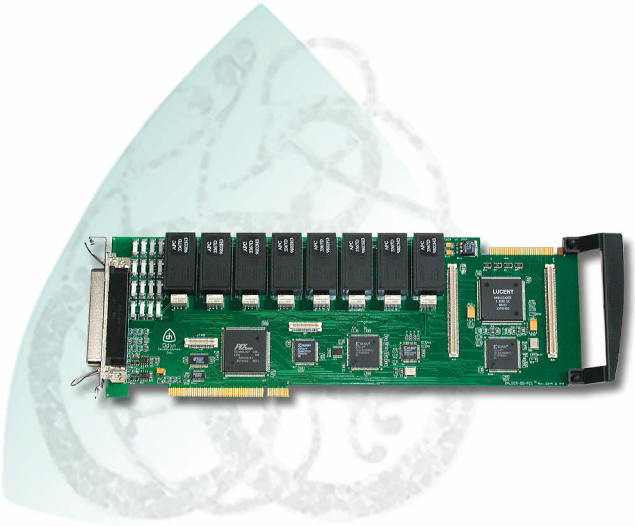
Open Telecom for
Open Minds

Balder-8S-PCI

Odin TeleSystems' Balder-8S-PCI is an Integrated Services Digital Network (ISDN) interface card for PCI-based systems providing 8 Basic Rate S/T-Interfaces.

The Balder-8S-PCI board can perform signaling on 8 16KB/s D-channels, and transmit voice or data on 16 64KB/s B-channels.

The Balder-8S-PCI adapter can be configured to operate as a TE (Terminal) or NT (Exchange). A third operation mode, Monitor mode, is also available allowing the Balder-8S-PCI adapter to be used to monitor up to 4 full BRI links. DSP and additional HDLC resources can be added by attaching an Odin ASM daughter-board module.



Balder-8S-PCI 8 Access ISDN BRI S/T-Interface PCI Adapter

Feature Highlights

- 8 ISDN Basic Rate S/T-Interfaces
- PCI host bus interface
- H.100 CT bus interface
- Three operation modes: Terminal (TE), Exchange (NT), and Monitor. Full simulation (terminal or exchange) of 8 accesses and monitoring of 4 accesses
- 4 Analog front-ends performing A/D and D/A conversions for external handsets and/or speakers. The handsets are switchable to any B-channel on any access
- Odin ASM daughterboard socket. Can be used with the following:

  ⇒ Vidar-5x4-ASM: 4 x TI TMS320C548 DSP with 80 MIPS each

Balder-8S-PCI Product Brief

Software Support

Balder-8S-PCI is delivered with the OTX driver, the OTX and DSP Software Development Kits (SDKs), as well as a variety of Host and DSP demo applications.	The OTX driver is available for Windows 98, Windows NT 4.0, Windows 2000, Windows XP, and Linux operating systems. Customized DSP applications can be developed using ANSI C and C++ language and standard third-party development tools.

Technical Specifications

Board	• Full-size PCI board
Host Bus Interface	• PCI Rev. 2.1 Electrical Interface • Memory Mapped Interface
Network Interfaces	• 8 ISDN Basic Rate S/T-Interfaces (ANSI T1.408, ITU-T I.430)
H.100 Interface	• 32 x 2, 4, or 8 Mbit/s board-to-board highways • 256 channels switchable between adapters • 1024 channels switchable locally • Backwards compatible with MVIP
DSP Resources (with optional ASM daughterboard)	• Vidar-55x4-ASM: 4 x TI TMS320VC5510 (400 MIPS) with 16MB SDRAM each • Vidar-5x4-ASM: 4 x TI TMS320C548/549 (80 MIPS) with up to 512KB SRAM each
Connector	• 50-pin Centronix, 3-foot cable to harmonica with 8 RJ45/RJ48C connectors for ISDN BRI S/T inteface, and RJ6 connectors for handsets
HDLC Resources	• Support for 1 HDLC channel (16 kbit/s D-channel) per access standard • ASM modules offer additional HDLC channels with support for super- and sub-channels
Testing Features	• Channel Loopback where the line interface receive pair is looped back to transmit pair • Test mode output of 2kHz square signal

Ordering Information

Product Name/Product Category	Balder-8S-PCI/ HAA-1023-1-3.0

Contact Information

For more information on the Balder-8S-PCI, please contact:	Odin TeleSystems Inc. 800 E. Campbell Road, Suite 334 Richardson, TX 75081-1873 USA Tel: +1-972-664-0100 Tel: 1-888-ODINTSM Fax: +1-972-664-0855 Email: info@odinTS.com Web: www.odinTS.com

2011-1-HAA-1023-1-3.0-2.0