



Odin TeleSystems Inc.

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Odin TeleSystems' Balder-8U-PCI is an Integrated Services Digital Network (ISDN) interface card for PCI based systems providing 8 Basic Rate U-Interfaces.

The Balder-8U-PCI board can perform signaling on 8 16 kbit/s D-channels, and transmit voice or data on 16 64 kbit/s B-channels. The standard configuration supports 1 HDLC channel for each D-channel.

Additional HDLC and DSP resources can be added by attaching an Odin ASM daughterboard module. The Balder-8U-PCI also provides 4 analog front ends for connecting handsets or external speakers to the board.

Balder-8U-PCI



Balder-8U-PCI 8 Access ISDN BRI U-Interface PCI Adapter

Feature Highlights

- 8 ISDN Basic Rate U-Interfaces
- PCI host bus interface
- H.100 CT bus interface.
- 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
 - ⇒ Vidar-55x4-ASM: TI TMS320VC5510 DSP with 1600 MIPS

Balder -8U-PCI Product Brief


Software Support

Balder-8U-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.
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Technical Specifications

<i>Board</i>	<ul style="list-style-type: none"> • Full-size PCI board
<i>Host Bus Interface</i>	<ul style="list-style-type: none"> • PCI Rev. 2.1 electrical interface • Memory mapped interface
<i>Network Interfaces</i>	<ul style="list-style-type: none"> • 8 ISDN Basic Rate U-Interfaces. • 2B1Q Line Coding
<i>H.100 Interface</i>	<ul style="list-style-type: none"> • 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
<i>DSP Resources (with optional ASM daughterboard)</i>	<ul style="list-style-type: none"> • 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
<i>HDLC Resources</i>	<ul style="list-style-type: none"> • 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
<i>Testing Features</i>	<ul style="list-style-type: none"> • Channel Loopback where the line interface receive pair is looped back to transmit pair • Test mode output of 2kHz square signal
<i>Phone Features</i>	<ul style="list-style-type: none"> • 4 Analog Interfaces (Codecs) for handset connections

Ordering Information

<i>Product Name/Product Category</i>	Balder-8U-PCI/ HAA-1010-1-3.0	
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Contact Information

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