Odin TeleSystems Inc.

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Arni-6x6-PCI-Plus

Arni-6x6-PCI-Plus is a state-of-the-art analog phone interface card for PCI based systems. With 6 analog phone interfaces (FXO), 6 station interfaces (FXS), and fail-over relays between each FXO and FXS pair, the Arni-6x6-PCI-Plus board offers a unique platform for a variety of VXML and computer telephony applications.

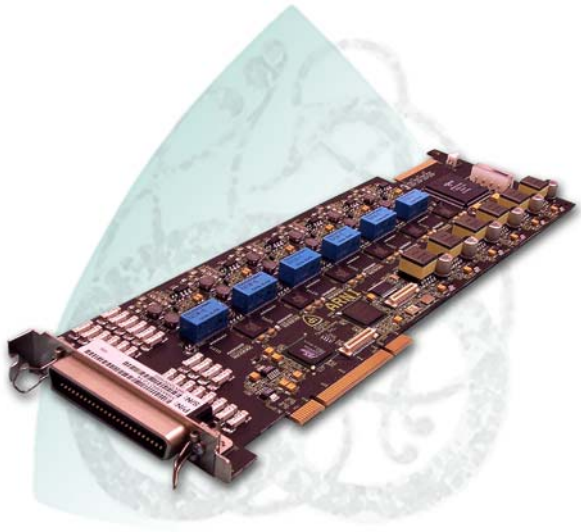
The Arni-6x6-PCI-Plus adapter board is a member of the award-winning OTX (Odin Telecom frameworX) adapter family implementing the open OTX architecture, allowing you to easily connect POTS and T1/E1/J1 boards in one single PC system.

The Arni-6x6-PCI-Plus board is also equipped with 6 powerful TMS320C54CST DSPs which provide support for virtually any voice and data application that can be associated with POTS interfaces on a global spectrum, e.g. G.165/G.168 Echo cancellation, DTMF, Caller ID, Call progress tone, Voice Activity Detector, Comfort Noise Generator, and Voice Mixer.

The 32-bit burst DMA feature over the PCI bus allows for consistent data transfer of recorded or played voice without sacrificing host CPU MIPS cycles. The support for Ground start, as well as Loop start, makes the Arni-6x6-PCI-Plus board highly suitable for world-wide implementations.

Whether your requirements calls for implementing a Voice XML gateway, flexible high density call generator, or a powerful and extendible Interactive Voice Response (IVR) Systems the Arni-6x6-PCI-Plus board is the product of choice.

So for the best in POTS Data and Voice Communication Adapters, the Arni-6x6-PCI-Plus delivers performance, value and flexibility.



Arni-6x6--PCI-Plus Adapter for POTS applications

Feature Highlights

- 6 FXS POTS interfaces.
- 6 FXO POTS interfaces.
- 6 DSPs (TMS320C54CST) with support for G.165/G.168 Echo Cancellation, DTMF, CID, CPT, VAD, CNG, and Voice Mixer.
- Fail-over relays between each FXO and FXS pair.
- H.100 interface.
- 32-bit burst DMA support.
- 3.3V and 5.0V PCI slot tolerant.
- Support for Loop Start as well as Ground Start.
- Support for measuring Loop current and Line voltage.
- Support for on-hook line monitoring.

Software Support

Includes the OTX software 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.

Ordering Information

Board Specification	• Full-size PCI board
Host Bus Interface	• PCI Rev. 2.1 electrical interface , 3.3V and 5V compliant • 32-bit burst DMA support • Memory mapped interface
Network Interfaces	• 6 full duplex analog phone interfaces (FXO) with 16-bit DAA • 6 full duplex station interfaces (FXS)
H.100 Interface	• 32 x 2, 4, or 8 Mbit/s board-to-board highways • 256 simplex channels switchable between adapters • 1024 channels switchable locally • Backwards compatible with MVIP and SC-Bus
Analog Interface functions	• Ring detection • Pulse dialing • DTMF dialing • 16-bit linear DAA • Loop current and Line Voltage measurement
DSP Applications supplied with the OTX driver	• DTMF detection and generation • Dial tone and Call Progress tone detection and generation • Caller ID (Type I and II) detection and generation • G.165/G.168 Echo Cancellation • G.711 PCM compression (u-law/a-law) • Voice Activity Detector • Voice Mixer • Comfort Noise Generator
Clocking Sources	• On-board oscillator • H.100 Clock
Power Requirements/Environmental Data	• 12V externally powered from PC power supply (standard HDD power supply connector) • Temperature: operating, 0° C to +50° C; non-operating, -40° C to +60° C • Humidity: operating, 5% to 80% RH (%relative humidity) at up to +30° C, and 5% to 30% RH above +30° C up to +50° C non-condensing; non-operating, 5% to 80% RH at up to +30° C, and 5% to 30% RH above +30° C up to +50° C non-condensing • Altitude: operating, up to 4,600 meters (15,333 feet); non-operating, up to 12,192 meters (50,000 feet)
Other hardware features	• Fail-over relays between each FXS and FXO pair • Hardware watchdog timer to be continuously reset by software to keep relays out fail-over state

Ordering Information

Product Name/Product Category	Arni-6x6-PCI-Plus/HAA-1064-1-1.0 (6 FXS and 6 FXO interfaces) Arni-6-FXS-PCI-Plus/HAA-1066-1-1.0 (6 FXS interfaces) Arni-6-FXO-PCI-Plus/HAA-1067-1-1.0 (6 FXO interfaces)

Contact Information

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2020-1-HCA-1014-1-1.0-1.0