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Data Sheet

August 15, 2026

ADAX

Adax HDCII-PMC High-Density Narrowband Channelized Protocol Controller

The Adax HDCII-PMC is a high-density narrowband channelized protocol controller designed for efficient data transmission. It supports a wide range of protocols and offers high-speed connectivity for demanding applications.



MODEL

Adax HDCII-PMC

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

HDCII-PMC

LISTING

<https://aumictechlabs.com/products/hdcii-pmc-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Adax HDCII-PMC is a high-density narrowband channelized protocol controller delivered as a PCI Mezzanine Card. It handles efficient data transmission across wireline, wireless, and convergence platforms using a low-power on-board processor capable of thousands of transactions per second with minimal host CPU load. Technical Specifications Form Factor & Host Interface PMC 3.3V 66/33MHz 32-bit interface Board dimensions: 14.9 cm × 7.4 cm Channel Density Up to 248 Low Speed Links (LSL) MTP2 links per card Up to 248 I-TDM flows per card Up to 8 High-Speed Links (HSL) per card, supporting Q.703 Annex A or 64 VCs of ATM AAL5 Up to 128 Frame Relay channels Up to 248 combined channels of HDLC, X.25, LAPB/D/F/V5 Trunk Interfaces Up to 8 software-selectable T1/E1/J1 trunks per card Key Features Protocol Support SS7 (MTP2 and ATM SS7), LAPB/D/V5, Frame Relay, X.25, HDLC, and Integrated Time Division

Multiplexing (I-TDM) for traditional TDM SS7, high-speed ATM SS7, and voice interworking applications. Processing & Throughput On-board processor with minimal host load delivers high-capacity data throughput. Dynamically configurable channel allocation optimizes resource utilization for mixed protocol deployments. Software Portability Common software driver and unified API across PMC, AMC, PCI, and PCIe form factors. Single-driver architecture reduces development cycles and protects software investment across platform variants. Typical Applications Traditional TDM signaling, high-speed ATM-based protocol stacks, voice interworking between legacy and modern network elements, Frame Relay and X.25 packet transport, multi-protocol convergence systems. Compatibility & Integration Designed for scalable, flexible deployment across diverse system architectures. Form-factor independence via unified API enables rapid porting between embedded, modular, and standard computing platforms without application rewrite.

HDCIIPMC Characteristics / Specifications

PARAMETER	VALUE
Model	HDCII-PMC
Instrument Type	PMC protocol controller
Form Factor	PCI Mezzanine Card
Function	high-density narrowband channelized protocol controller
Manufacturer	Adax
Literature	Adax HDCII-PMC listings
Family	Adax HDCII
Brand Lineage	Adax
System Role	WAN/protocol PMC
Application Class	telecom signaling/WAN
Bus Class	PMC on cPCI/VME
Channel Class	high-density narrowband
Protocol Class	channelized WAN/SS7 class
Documentation Type	OEM HDCII-PMC listing
Vendor Path	Adax
Year Class	HDCII-PMC
Connector Class	PMC Bezu/front I/O as fitted
Memory Class	per HDCII-PMC
Cpu Class	protocol engine on HDCII
Software Class	Adax protocol stack class
Power Class	PMC power pins
Operating Temperature Class	commercial/industrial as ordered
Module Class	HDCII-PMC
Density Class	high-density narrowband
Host Class	PMC carrier

PARAMETER	VALUE
Operating temperature	Class: commercial/industrial as ordered

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: commercial/industrial as ordered
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Module Class	HDCII-PMC
Density Class	high-density narrowband
Host Class	PMC carrier Notes Identity from Adax HDCII-PMC listings. Channel count, line rates, and protocol set are on the HDCII-PMC datasheet.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Literature	Adax HDCII-PMC listings
Family	Adax HDCII
Brand Lineage	Adax
System Role	WAN/protocol PMC
Application Class	telecom signaling/WAN
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Channel Class	high-density narrowband
Protocol Class	channelized WAN/SS7 class
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Cpu Class	protocol engine on HDCII
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Module Class	HDCII-PMC
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Notes

Identity from Adax HDCII-PMC listings. Channel count, line rates, and protocol set are on the HDCII-PMC datasheet.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.