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Data Sheet

August 15, 2026

ADLINK

Adlink PCI-6216V NuDAQ 16-Channel 16-Bit Voltage Output Card

Adlink Data Acquisition Systems (DAQ). Voltage / Current Range: ± 10 V output, ± 5 mA maximum drive, Channels: 16 voltage outputs, Resolution: 16-bit with 15-bit typical monotonicity.



MODEL

Adlink PCI-6216V

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PCI-6216V

LISTING

<https://aumictechlabs.com/products/pci-6216v-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Adlink PCI-6216V NuDAQ is a 16-channel, 16-bit analog voltage output card built on PCI bus architecture for industrial automation, ATE, signal generation, and precision control applications. The card delivers ± 10 V outputs with guaranteed 14-bit resolution and typical 15-bit monotonicity, supported by on-board PCM56U D/A converters and ultra-stable NiCr thin-film resistors. Each channel settles in 2 μ s across the full ± 10 V range with a 10 V/ μ s slew rate and ± 5 mA output drive capability. Gain error is held to $\pm 0.2\%$ maximum, while differential linearity remains ± 0.65 LSB typical. The card includes 4 TTL digital inputs and 4 TTL digital outputs for auxiliary control. Programmed I/O data transfer mode simplifies integration into existing test and measurement systems. Technical Specifications Channels: 16 voltage outputs, 16-bit resolution (± 10 V range) D/A Resolution: 16-bit with 15-bit typical monotonicity Settling Time: 2 μ s (-10 V to $+10$ V); 130 μ s

typical for 20 V step Slew Rate: 10 V/ μ s typical Output Drive: ± 5 mA maximum Gain Error: $\pm 0.2\%$ maximum Differential Linearity: ± 0.65 LSB typical (0.001% of FSR) Digital I/O: 4 TTL inputs, 4 TTL outputs (5 V/TTL compatible) Interface: PCI bus (32-bit, 3.3 V or 5 V) Form Factor: Standard PCI (175 mm $\times$ 107 mm) Connector: One 37-pin D-sub female Temperature Range: 0°C to 50°C operating; -20°C to 80°C storage Humidity: 5% to 95%, non-condensing

Key Features

Configurable output initialization: 0 V default or hold last value on power-on/reset On-board analog switches minimize power-on glitches Monotonic PCM56U converter with low distortion thin-film resistors Programmed I/O data transfer mode

Typical Applications Industrial automation and control Automated test equipment (ATE) Signal generation and waveform synthesis Precision analog voltage sourcing

Compatibility & Integration Operating Systems: Windows XP, Windows 7/8 (x64/x86), Linux, Windows 98/NT/2000 Development: LabVIEW, MATLAB, Visual Studio.NET, Visual Basic, C/C++ Software Tools: AD-Logger, DAQBench, DAQMaster Accessories: DIN-37D-01 and ACLD-9137 terminal boards; 37-pin D-sub cables (1 M)

PCI6216V Characteristics / Specifications

PARAMETER	VALUE
Model	PCI-6216V
Instrument Type	PCI analog voltage output card
Voltage Output Channels	16
DAResolution	16 bits
Monotonicity Typical	15 bits
Output Range	plus or minus 10 V
Slew Rate Typical	10 V per us
Settling Time Typical 20 V Step	4 us
Gain Error Maximum	plus or minus 0.2 percent
DNL Typical	plus or minus 0.65 LSB
Output Drive Maximum	plus or minus 5 mA
Output Initial Status	0 V
Data Transfer	programmed I/O
Digital Inputs	4
Digital Outputs	4
Digital Compatibility	5 V TTLIOConnector: 37 pinDsub female
Operating Temperature	0 to 50 C
Storage Temperature	-20 to 80 C
Relative Humidity	5 to 95 percent non condensing
Board Size	175 mm by 107 mm
Sibling Eight Channel Voltage Model	PCI-6208V
Sibling Current Model	PCI-6208A
Bus Type	PCI
Humidity	5 to 95 percent non condensing

PCI6216V Specifications

PARAMETER	VALUE
Sixteen simultaneous voltage output channels	Sixteen-bit D/A resolution with 15-bit typical monotonicity
Ten V per us typical slew rate	On-board analog switches to minimize power-on glitches
Technical Specifications	Model: PCI-6216V
Notes	Numeric rows from ADLINK PCI-6208V/6216V/6208A datasheet specifications for the PCI-6216V voltage-output configuration.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 to 80 C
Operating temperature	0 to 50 C
Operating Temperature	0 to 50 C
Humidity	5 to 95 percent non condensing
Relative Humidity	5 to 95 percent non condensing
Board Size	175 mm by 107 mm
Sibling Eight Channel Voltage Model	PCI-6208V
Sibling Current Model	PCI-6208A
Bus Type	PCI Notes Numeric rows from ADLINK PCI-6208V/6216V/6208A datasheet specifications for the PCI-6216V voltage-output configuration.

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	
Specifications	
PARAMETER	VALUE
Model	PCI-6216V
Instrument Type	PCI analog voltage output card
Voltage Output Channels	16
DAResolution	16 bits
Monotonicity Typical	15 bits
Output Range	plus or minus 10 V
Slew Rate Typical	10 V per μ s
Settling Time Typical 20 V Step	4 μ s
Gain Error Maximum	plus or minus 0.2 percent
DNL Typical	plus or minus 0.65 LSB
Output Drive Maximum	plus or minus 5 mA
Output Initial Status	0 V
Data Transfer	programmed I/O
Digital Inputs	4
Digital Outputs	4
Digital Compatibility	5 V TTLIOConnector: 37 pinDsub female
Operating Temperature	0 to 50 C
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Sibling Eight Channel Voltage Model	PCI-6208V
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Bus Type	PCI
Notes	
Numeric rows from ADLINK PCI-6208V/6216V/6208A datasheet specifications for the PCI-6216V voltage-output configuration.	

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.