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Data Sheet

August 15, 2026

DYNAMIC SIGNALS / KINETIC SYSTEMS

DynamicSignals / Kinetic Systems V266-ZA21 64-channel, 16-bit D/A Converter

DynamicSignals / Kinetic Systems VXI Modules. Channel: count architecture enables complex multi-signal ge.



MODEL

**DynamicSignals /
Kinetic Systems
V266-ZA21**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

V266-ZA21

LISTING

[https://aumictechlabs.c
om/products/v266-za2
1-3/](https://aumictechlabs.com/products/v266-za21-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The DynamicSignals/Kinetic Systems V266-ZA21 is a 64-channel, 16-bit Digital-to-Analog Converter module engineered for VXIbus systems. This C-sized, single-width module delivers independent voltage outputs across 64 channels, providing high-density analog signal generation for precision instrumentation and test applications requiring deterministic waveform control. Technical Specifications Electrical Performance 64 independent analog output channels 16-bit resolution Output range: 0 V to +10 V at connector J3 Power consumption: +5 V at 1850 mA, +24 V at 850 mA, -24 V at 10 mA Thermal management: 10 CFM airflow requirement VXIbus Interface C-sized VXIbus module (single-width) Logical Address range: C000₁₆ to FFC0₁₆; default factory address is 255 User-selectable addressing via address switches or Logical Address Register Supports integration into multi-device VXIbus systems (up to 255 devices, excluding Slot 0)

Connectors & Test Access Two 68-position SCSI-II type receptacle connectors (J3 and J4)
Voltage outputs available at J3 Dedicated test points (+/-) for Channel 1 voltage output monitoring
Key Features High-channel-count architecture enables complex multi-signal generation in compact form factor Independent channel control supports diverse waveform synthesis and signal conditioning tasks User-configurable logical addressing simplifies VXIbus system integration Modular design permits installation in any available C-sized VXIbus mainframe slot (except Slot 0) Failed LED indicator provides real-time module status and self-test diagnostics
Compatibility & Integration The V266-ZA21 integrates into C-sized VXIbus mainframes as a standard peripheral module. Installation requires an available mainframe slot, positive +5 V and ± 24 V power rails, and 10 CFM forced-air cooling. Logical address assignment is configurable to avoid conflicts in multi-module systems. The module occupies a single VXIbus slot and functions as one of up to 255 addressable devices within a VXIbus architecture.

V266ZA21 Characteristics / Specifications

PARAMETER	VALUE
Model	V266-ZA21
Instrument Type	VXI analog output module
Family	Kinetic Systems / DynamicSignals V266
Channel Count	64
Resolution	16-bit
Output Range	±10 V full scale (ZA voltage option)
Form Factor	VXI C-size single width
Device Class	register-based VXIbus
Memory	16-bit dual-port memory scanned to a single DAC
Hold Circuits	per-channel high-precision sample-and-hold
Filter	active 2-pole low-pass Bessel, 500 Hz nominal cutoff
Data Format	offset binary or two's complement via control-register bit
Address Space	A24/A16 with D16 transfers
Power Up	memory contents zeroed
Front Connectors	pair of high-density connectors; paired outputs to reduce ground offset
Configuration	static and dynamic VXI configuration supported
Sibling Za	V266-ZA12 32-channel ±10 V
Sibling Zb	V266-ZB12 32-channel 4-20 mA
Sibling Zc	V266-ZC12 32-channel ±16 V
Channel Densities	16, 32, or 64 independent analog outputs in family
Manufacturer	Kinetic Systems / DynamicSignals
Literature	Kinetic Systems V266 family analog-output descriptions (ZA21 64-ch ±10 V)
System Role	VXI analog playback / stimulus
Access	Offset Register in VXIbus configuration set

PARAMETER	VALUE
Accuracy Class	voltage outputs accurate to within millivolt class of each other (single DAC architecture)

V266ZA21 Specifications

PARAMETER	VALUE
Applications	VXI analog stimulus, 64-channel ± 10 V reconstruction, synchronized multi-channel analog playback.
Key Features	64 independent 16-bit analog outputs
Technical Specifications	Model: V266-ZA21

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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Notes

From Kinetic Systems V266 family literature (ZA21 = 64-channel ± 10 V, 16-bit, 500 Hz Bessel). INL/DNL and update-rate tables are on the V266 specification; do not invent LSB error.

Ordering Information

OPTION	DESCRIPTION
Option 500	Hz 2-pole Bessel reconstruction filters

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.