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Data Sheet

August 15, 2026

DYNAMIC SIGNALS / KINETIC SYSTEMS

DynamicSignals / Kinetic Systems V387-ZA11 128-Channel Digital Input/Output

DynamicSignals / Kinetic Systems VXI Modules. Channels: Up to 128 digital input/output, Current: 5 mA to 15 mA (at rated voltage).



MODEL

**DynamicSignals /
Kinetic Systems
V387-ZA11**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

V387-ZA11

LISTING

[https://aumictechlabs.c
om/products/v387-za11
-3/](https://aumictechlabs.com/products/v387-za11-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The V387-ZA11 is a single-width, C-size VXIbus module delivering up to 128 digital input/output channels in a register-based architecture. Four interchangeable P300 series mezzanine cards, each supporting 32 channels, enable flexible I/O configuration. Engineers can deploy non-isolated bidirectional options (TTL single-ended or RS-422 differential) or isolated input modules rated for voltages from TTL through 120 V ac, all with programmable input filtering and 500 V isolation. Technical Specifications Form Factor: Single-width, C-size VXIbus module Total Channels: Up to 128 digital input/output Mezzanine Card Slots: Four P300 series cards, 32 channels per card Non-Isolated Options: 32-channel TTL single-ended or 16-channel RS-422 differential Isolated Input Voltage Ratings: TTL, 12 V dc, 16 V dc, 24 V dc, 28 V dc, 48 V dc, 120 V ac Isolation Level: 500 V Input Current: 5 mA to 15 mA (at rated voltage) Switching Threshold (Turn-On): 75% of rated

voltage, nominal Switching Threshold (Turn-Off): 45% of rated voltage, nominal Input Filter Time Constant: Programmable, 5 μ s to 1 s in 64 steps Read/Write Cycle Times: 16-bit at 1 μ s typical; 32-bit at 2 μ s typical Key Features Register-based module control with manual logical address setting via eight rocker switches Trigger generation, interrupt on pattern recognition, and change-of-state detection VXIbus Local Bus: 12 user-defined lines for daisy-chaining and private data paths to adjacent modules TTL and ECL trigger line support; 10 MHz ECL clock access Module ID line for geographic addressing Optional Digi-bus interfacing via P500 (transmit) or P501 (receive) cards Typical Applications Relay and solenoid control, lamp switching, digital signal acquisition from multiple device sources, and multi-channel test automation in VXIbus instrumentation systems. Compatibility & Integration The module integrates directly into VXIbus systems and supports Kinetic Systems 5819-series cabling (5819-B, 5819-D, 5819-F, 5819-G). Optional Digi-bus cards extend communication capability within larger test environments.

V387ZA11 Characteristics / Specifications

PARAMETER	VALUE
Model	V387-ZA11
Instrument Type	VXI digital input/output module
Family	Kinetic Systems / DynamicSignals V387
Channel Count	128 (ZA11 option)
Form Factor	VXI C-size
Device Class	register-based VXIbus
Manufacturer	Kinetic Systems / DynamicSignals
Literature	Kinetic Systems V387 128-channel digital I/O listings (ZA11)
System Role	VXI high-density digital I/O
Sibling Counter	V635-AA21 8-channel 100 kHz frequency counter
Address Space Class	VXI A16/A24 (data sheet)
Logic Family Class	TTL/CMOS class on the V387 table
Direction Class	programmable I/O groups on the V387 table
Connector Class	front high-density digital connector
Triggers Class	VXI TTL triggers (data sheet)
Power Class	VXI P1/P2 rails (data sheet watts)
Operating Temperature Class	VXI commercial on the sheet
Module Class	VXI digital I/O
Brand Lineage	Kinetic Systems / DynamicSignals / Vitrek
Documentation Type	V387-ZA11 listing
Ate Class	digital stimulus/response
Host Class	VXI slot-0 controller
Year Class	V387-ZA11
Density Options	ZA11 = 128 channels
Use Case	ATE digital pattern I/O

PARAMETER	VALUE
Operating temperature	Class: VXi commercial on the sheet

V387ZA11 Specifications

PARAMETER	VALUE
Applications	VXI digital I/O for 128-channel pattern, status, and relay-drive in Kinetic Systems crates.
Key Features	128-channel VXI digital I/O (ZA11)
Technical Specifications	Model: V387-ZA11

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: VXI commercial on the sheet
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Module Class	VXI digital I/O
Brand Lineage	Kinetic Systems / DynamicSignals / Vitrek
Documentation Type	V387-ZA11 listing
Ate Class	digital stimulus/response
Host Class	VXI slot-0 controller
Year Class	V387-ZA11
Density Options	ZA11 = 128 channels
Use Case	ATE digital pattern I/O Notes From Kinetic Systems V387 listings (ZA11 = 128-channel digital I/O, C-size VXI). Thresholds, mA per bit, and timing are on the V387 specification table; do not invent them.

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 V387 listings (ZA11 = 128-channel digital I/O, C-size VXI). Thresholds, mA per bit, and timing are on the V387 specification table; do not invent them.

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.