

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

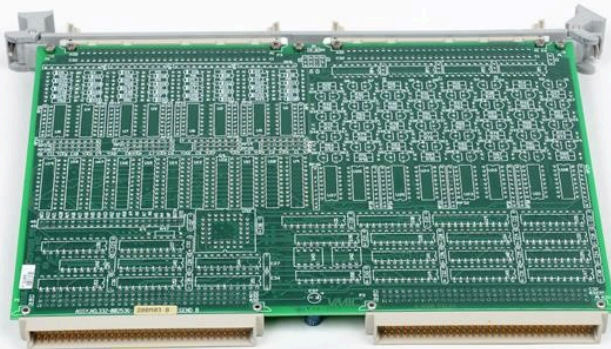
Data Sheet

August 15, 2026

ABACO SYSTEMS / VMIC

Abaco Systems/VMIC VMIVME-2536-200

The Abaco Systems/VMIC VMIVME-2536-200 is a 32-channel optically coupled digital I/O board designed for VMEbus systems. It provides isolated digital input and output channels, enhancing system reliability and safety by preventing ground loops and protecting sensitive circuitry from voltage spikes. This board is ideal for industrial automation, process control, and data acquisition applications requiring solid and reliable digital I/O capabilities.

**MODEL****Abaco Systems /
VMIC VMIVME-
2536-200****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****VMIVME-2536-
200****LISTING**<https://aumictechlabs.com/products/vmivme-2536-200-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Abaco Systems/VMIC VMIVME-2536-200 is a 32-channel optically coupled digital I/O board for VMEbus systems. It delivers galvanic isolation between field signals and the VME chassis, eliminating ground loops and protecting circuitry from voltage transients. The board supports field voltages from 5 V to 125 V, user-selectable input/output configurations on byte boundaries, and programmable contact debounce. All 32 input and 32 output channels feature optical coupling with sustained isolation of 1 kV (field to VMEbus) and pulsed isolation of 3.5 kV. Channel-to-channel isolation reaches 500 V sustained. Built-in diagnostics support system reliability in industrial automation, process control, and data acquisition environments. Technical Specifications Form Factor 6U single slot Eurocard Digital Inputs 32 optically coupled input channels Field-to-

VMEbus isolation: 1 kV sustained, 3.5 kV pulsed Channel-to-channel isolation: 500 V sustained (maximum) Input voltage options: 5 V, 12 V, 24 V, 28 V, 48 V, 125 V Configurable voltage sensing or contact sensing (byte boundaries) Debounce options: 0, 0.256, 0.512, 1.024, 2.048, 4.096, 8.192, 16.384 ms Input isolation resistance: 10 M Ω minimum Digital Outputs 32 optically coupled open-collector output channels Maximum output voltage: 50 V Current sinking: 300 mA per output Output leakage current: 500 μ A maximum (at 50 V, 60 °C) User-configurable pull-up resistors on byte boundaries

Key Features Dual isolation stages protect sensitive VMEbus logic from field transients Jumper-selectable power sources for contact sensing and pull-up resistor bias Programmable debounce for contact-closure applications Voltage sensing suitable for 125 V inputs; contact sensing for lower voltages Configurable input thresholds matched to operating voltage class

Typical Applications Industrial process control and automation Data acquisition from distributed sensors Machine interface and alarm monitoring Factory floor I/O signal conditioning

Compatibility & Integration VMEbus form factor for direct 6U single-slot deployment Compatible with standard VME chassis infrastructure

Features & description

From manufacturer datasheet

Built-in-Test on both input and output paths

Sustained 1 kV system isolation to the VMEbus backplane Voltage sensing or contact sensing input modes 8 16 and 32 bit data transfers with A16 or A24 addressing Technical Specifications Model: VMIVME-2536 Instrument Type: 32-channel optically coupled digital I/O board with BIT Card Form Factor: VME 6U single slot Input Channels: 32 optically coupled Output Channels: 32 optically coupled Data Transfer Widths: 8, 16, or 32 bit Io Voltage Range: 5 to 125 VDC Isolation Sustained: 1 kV to VMEbus backplane Isolation Pulsed: 35 kV pulsed class per OEM feature list Output Sink Current: 300 mA current sinking outputs Interface Style: opto-isolated outputs and inputs front I/O Addressing: standard data or short I/O A16 Channel Aggregate: 64 optically coupled signal paths Vme Form Factor: 6U Input Sense Modes: voltage sensing or contact sensing Built In Test: inputs and outputs

VMIVME2536200 Characteristics / Specifications

PARAMETER	VALUE
Model	VMIVME-2536
Instrument Type	32-channel optically coupled digital I/O board with BIT
Card Form Factor	VME 6U single slot
Input Channels	32 optically coupled
Output Channels	32 optically coupled
Data Transfer Widths	8, 16, or 32 bit
Io Voltage Range	5 to 125 VDC
Isolation Sustained	1 kV to VMEbus backplane
Isolation Pulsed	35 kV pulsed class per OEM feature list
Output Sink Current	300 mA current sinking outputs
Interface Style	opto-isolated outputs and inputs front I/O
Addressing	standard data or short I/O A16
Channel Aggregate	64 optically coupled signal paths
Vme Form Factor	6U
Input Sense Modes	voltage sensing or contact sensing
Built In Test	inputs and outputs
Ordering Alias Base	VMIVME-2536-000
Related Queue Sku	VMIVME-2536-200
Typical Configuration Example	24 to 28 V input class on -200 builds
Data Path Max Width	32 bit
Isolation Sustained Volts	1000 V
Minimum Io Voltage	5 VDC
Maximum Io Voltage	125 VDC

VMIVME2536200 Specifications

PARAMETER	VALUE
Key Features	32 optically coupled inputs and 32 optically coupled outputs
Voltage sensing or contact sensing input modes	8 16 and 32 bit data transfers with A16 or A24 addressing
Technical Specifications	Model: VMIVME-2536

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	VMIVME-2536
Instrument Type	32-channel optically coupled digital I/O board with BIT
Card Form Factor	VME 6U single slot
Input Channels	32 optically coupled
Output Channels	32 optically coupled
Data Transfer Widths	8, 16, or 32 bit
Io Voltage Range	5 to 125 VDC
Isolation Sustained	1 kV to VMEbus backplane
Isolation Pulsed	35 kV pulsed class per OEM feature list
Output Sink Current	300 mA current sinking outputs
Interface Style	opto-isolated outputs and inputs front I/O
Addressing	standard data or short I/O A16
Channel Aggregate	64 optically coupled signal paths
Vme Form Factor	6U
Input Sense Modes	voltage sensing or contact sensing
Built In Test	inputs and outputs
Ordering Alias Base: VMIVME-2536-000	
Specifications	
PARAMETER	VALUE
Related Queue Sku	VMIVME-2536-200
Typical Configuration Example	24 to 28 V input class on -200 builds
Data Path Max Width	32 bit
Isolation Sustained Volts	1000 V
Minimum Io Voltage	5 VDC
Maximum Io Voltage	125 VDC

Notes

From Abaco VME-2536 product specification summary and VMIC VMIVME-2536 optically coupled I/O feature tables (1 kV sustained, 5 to 125 VDC, 300 mA sinks). Queue SKU VMIVME-2536-200 isaconfiguration of this family.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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