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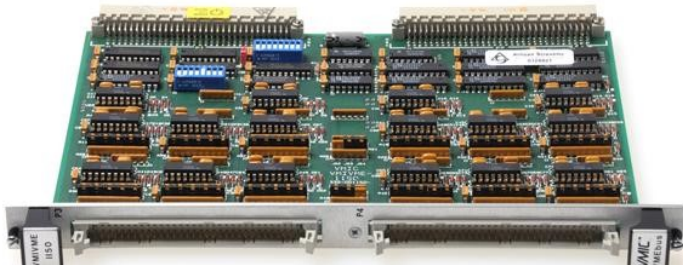
Data Sheet

August 15, 2026

ABACO SYSTEMS / VMIC

Abaco Systems / VMIC VMIVME-1150-323 64-Bit Optically Coupled Digital Input Board

The Abaco Systems / VMIC VMIVME-1150-323 is a 64-channel optically isolated digital input board for VMEbus systems. It acquires logic-level signals across a wide voltage range with 1,000 V sustained and 7,500 V pulsed isolation, making it suitable for industrial control, data acquisition, and signal monitoring in harsh electrical environments. The board supports 8-bit or 16-bit data transfers with individually addressable ports, configurable input polarity, and jumper-selectable filtering for noise rejection. Typical Applications Industrial process control, data acquisition systems, machine monitoring, and equipment with mixed-signal sensing requirements where optical isolation is critical. Compatibility & Integration Fully compatible with VMEbus architecture. Operates within any standard VME slot configuration except slot 1. Includes hardware reference manual and IOWorks integration d



MODEL

**Abaco Systems /
VMIC VMIVME-
1150-323**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

VMIVME-1150-323

LISTING

<https://aumictechlabs.com/products/vmivme-1150-323-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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V sustained and 7,500 V pulsed isolation, making it suitable for industrial control, data acquisition, and signal monitoring in harsh electrical environments. The board supports 8-bit or 16-bit data transfers with individually addressable ports, configurable input polarity, and jumper-selectable filtering for noise rejection.

Technical Specifications

Channels: 64 optically coupled digital inputs

Input Voltage Range: 5 VDC to 48 VDC

Input Configuration: Voltage sourcing or current sinking; configurable for voltage input or contact closure

Data Polarity: Positive or negative true, field-selectable

Isolation: 1,000 V sustained; 7,500 V pulsed

Data Transfers: 8-bit or 16-bit modes supported

Addressing: Individually addressable 8-bit ports on 8- or 16-bit boundaries in short supervisory or nonprivileged I/O space

Board Address: DIP switch selectable; supported in any VMEbus slot except slot 1

Input Filtering: Jumper-selectable filtered input options

Form Factor: Standard VME double-height Eurocard (160 mm × 233.5 mm)

Power: +5 VDC @ 1.1 A typical, 2.2 A maximum

Operating Temperature: 0 °C to +55 °C

Storage Temperature: -40 °C to +85 °C

MTBF: 139,706 hours (MIL-HDBK-217F)

Key Features

- Dual 64-pin DIN connectors for signal I/O
- VMEbus electrical and mechanical compatibility
- DTACK reply generation for decoded short supervisory or nonprivileged access
- Drop-in replacement for legacy VMIVME-1150 models with software and cable compatibility

Typical Applications

Industrial process control, data acquisition systems, machine monitoring, and equipment with mixed-signal sensing requirements where optical isolation is critical.

Compatibility & Integration

Fully compatible with VMEbus architecture. Operates within any standard VME slot configuration except slot 1. Includes hardware reference manual and IOWorks integration documentation.

VMIVME1150323 Characteristics / Specifications

PARAMETER	VALUE
Model	VMIVME-1150
Instrument Type	64-bit optically coupled digital input board
Card Form Factor	double Eurocard 6U with front panel
Input Channels	64 optically coupled
Input Voltage Range	5 V to 48 VDC
Isolation Sustained	1000 V
Isolation Pulsed	7500 V
Data Transfer Widths	8 or 16 bit
Access Permissions	nonprivileged or supervised I/O
Access Time Maximum	250 ns
Board Address Select	onboard DIP switch
Vme Reply	DTACK to DS0 or DS1 with decoded board address
Address Modifier Decode	yes
Connector Count	dual I/O connectors
Channel Count Numeric	64
Minimum Input Voltage	5 VDC
Maximum Input Voltage	48 VDC
Isolation Sustained Volts	1000 V
Isolation Pulsed Volts	7500 V
Form Factor	VME 6U
Related Queue Sku	VMIVME-1150-323
Example Config Polarity	positive true contact sense 24 V with 5 ms filter on -323
Ordering Alias Base	VMIVME-1150-000
Data Path Max Width	16 bit

VMIVME1150323 Specifications

PARAMETER	VALUE
Key Features	64 optically coupled digital inputs
Nonprivileged or supervisory I/O access	DIP switch board address in any slot except slot 1
Technical Specifications	Model: VMIVME-1150

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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Access Time Maximum	250 ns
Board Address Select	onboard DIP switch
Vme Reply	DTACK to DS0 or DS1 with decoded board address
Address Modifier Decode	yes
Connector Count	dual I/O connectors
Channel Count Numeric	64
Minimum Input Voltage	5 VDC
Maximum Input Voltage	48 VDC
Isolation Sustained Volts	1000 V
Isolation Pulsed Volts	7500 V
Form Factor	VME 6U
Related Queue Sku	VMIVME-1150-323
Example Config Polarity	positive true contact sense 24 V with 5 ms filter on -323
Ordering Alias Base: VMIVME-1150-000	
Data Path Max Width: 16 bit	
Notes	
From Abaco VME-1150 overview and VMIVME-1150 optocoupled digital input technical summaries. Queue SKU VMIVME-1150-323 isaconfigured build (24 V contact sense, 5 ms filter per Artisan configuration notes).	

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.