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Data Sheet
August 15, 2026

ABACO SYSTEMS / VMIC

# Abaco Systems / VMIC VMIVME-1111-000 64-Bit High-Voltage Digital Input Board

The Abaco Systems VMIVME-1111-000 is a 64-channel high-voltage digital input board for VMEbus systems. It accepts input signals ranging from 1.25 VDC to 66 VDC with user-selectable thresholds, supporting contact closures, voltage sources, current sinking, and differential signals. The board delivers 8-, 16-, or 32-bit configurable data transfers across individually addressable ports. RS-422/RS-485-compatible differential receivers with ±7 V noise immunitySingle-Ended Signal Performance: Typical Applications Industrial process control, embedded avionics systems, military instrumentation, and distributed I/O architectures requiring high-voltage signal acquisition in harsh environments. Compatibility & Integration Software compatible with VMIVME-1110. VMEbus-compliant for integration into existing supervisory and nonprivileged short I/O mapping systems.

| | |
|---|---|
| MODEL<br>Abaco Systems / VMIC VMIVME-1111-000 | CALIBRATION<br>Available on request |
| CONDITION<br>Used | STATUS<br>In stock |
| RFQ / SKU<br>VMIVME-1111-000 | LISTING<br>https://aumictechlabs.com/products/vmivme-1111-000-2/ |

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

## This unit

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thresholds, supporting contact closures, voltage sources, current sinking, and differential signals. The board delivers 8-, 16-, or 32-bit configurable data transfers across individually addressable ports.Technical Specifications Input Channels: 64 channels organized in groups of 32 Data Transfer Modes: Configurable for 8, 16, or 32-bit transfers Form Factor: Double Eurocard VMEbus module (ANSI/IEEE STD 1014-1987, IEC 821 and 297) Input Voltage Range: 1.25 VDC to 66 VDC (user-selectable thresholds) Differential Signal Performance:Common-mode input voltage: -30 V to +66 VInput sensitivity: ±100 mV (common-mode range -7 V to +12 V)Input impedance: 33 kΩRS-422/RS-485-compatible differential receivers with ±7 V noise immunitySingle-Ended Signal Performance:Input impedance: 33 kΩThreshold accuracy: 1% across 66 V range (typical) Input Filtering: Optional series RC terminator or low-pass filter (0.14 ms time constant) Power Consumption: +5 V at 1.4 A typical, 2.0 A maximum Operating Temperature: 0 to 55 °C Storage Temperature: -20 to 85 °C Relative Humidity: 20 to 80%, noncondensing Connectors: Dual 64-pin DIN 41612 high-reliability connectors MTBF: 186,600 hours (MIL-HDBK-217F)Key Features Per-group jumper selection for contact closure, voltage source, current sink, or differential input modes Open-circuit logic programmable as zero or one On-board built-in test (BIT) logic with front-panel Fail LED indicator Thirteen jumpers enable full short I/O address map selection Independent control and status register (CSR) addressing Eight ports individually addressable on 8-, 16-, or 32-bit boundaries Forced-air convection coolingTypical Applications Industrial process control, embedded avionics systems, military instrumentation, and distributed I/O architectures requiring high-voltage signal acquisition in harsh environments.Compatibility & Integration Software compatible with VMIVME-1110. VMEbus-compliant for integration into existing supervisory and nonprivileged short I/O mapping systems.

# VMIVME1111000 Characteristics / Specifications

| PARAMETER | VALUE |
|---|---|
| **Model** | VMIVME-1111 |
| **Instrument Type** | 64-bit high-voltage digital input board with BIT |
| **Card Form Factor** | 6U double Eurocard single slot VME slave |
| **Input Channels** | 64 arranged as eight 8-bit ports |
| **Data Transfer Widths** | 8, 16, or 32 bit VME D08/D16 cycles |
| **Vme Addressing** | short supervisory and or short nonprivileged I/O map |
| **Csr Addressing** | independently selectable on 8-bit boundary |
| **Differential Common Mode Range** | -30 to +66 V |
| **Differential Sensitivity** | plus or minus 100 mV over -7 to +12 V common mode |
| **Input Impedance Typical** | 33 kOhm |
| **Single Ended Threshold Range** | 1.25 to 66 V |
| **Single Ended Threshold Accuracy Typical** | 1 percent over 66 V range |
| **Io Voltage Range Family** | 1.25 to 66 Vdc |
| **Input Connector Type** | dual 64-pin DIN 41612 |
| **Power Plus 5 Vdc Typical** | 1 A |
| **Operating Temperature** | 0 to 70 C |
| **Storage Temperature** | -40 to plus 85 C |
| **Noise Immunity Differential Class** | plus or minus 7 V RS-422/485 compatible receivers |
| **Address Jumpers** | thirteen jumpers for short I/O map selection |
| **Port Organization** | eight ports individually addressable on 8 16 or 32 bit boundaries |
| **Built In Test** | on-board self-test worst-case bit pattern generator |
| **Front Panel Indicator** | FAIL LED |
| **Ordering Alias Base** | VMIVME-1111-000 |

## General Specifications & Supplementary Characteristics

| PARAMETER | VALUE |
|---|---|
| **Storage temperature** | 40 to plus 85 C |
| **Operating temperature** | 0 to 70 C |
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| **Address Jumpers** | thirteen jumpers for short I/O map selection |
| **Port Organization** | eight ports individually addressable on 8 16 or 32 bit boundaries |
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| **Front Panel Indicator** | FAIL LED |
| **Ordering Alias Base** | VMIVME-1111-000 Notes From GE/VMIC VMIVME-1111 64-bit High-Voltage Digital Input Board with Built-in-Test datasheet functional and electrical tables. Queue SKUs VMIVME-1111-000 and VMIVME-1111-040 are configuration suffixes of the same board family. |

# 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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Ordering Alias Base: VMIVME-1111-000

Notes
From GE/VMIC VMIVME-1111 64-bit High-Voltage Digital Input Board with Built-in-Test datasheet functional and electrical tables. Queue SKUs VMIVME-1111-000 and VMIVME-1111-040 are configuration suffixes of the same board 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

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