

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ABACO SYSTEMS / VMIC

Abaco Systems / VMIC VMIVME-1184-000000 32-Bit Change-of-State (COS) Input Board with Sequence-of-Events (SOE)

The VMIVME-1184-000000 is a 32-Bit Change-of-State (COS) Input Board with Sequence-of-Events (SOE) capabilities.

**MODEL****Abaco Systems /
VMIC VMIVME-
1184-000000****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****VMIVME-1184-
000000****LISTING**[https://aumictechlabs.c
om/products/vmivme-1
184-000000-2/](https://aumictechlabs.com/products/vmivme-1184-000000-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Abaco Systems / VMIC VMIVME-1184-000000 is a 32-bit Change-of-State (COS) input board engineered for VMEbus systems requiring high-speed digital event capture and sequence-of-events analysis. This optically isolated module provides 32 configurable channels for voltage sensing or contact closure monitoring, with programmable state-change detection, interrupt generation, and deep FIFO buffering. It enables multi-board synchronization through external clock inputs for correlating more than 32 signals across distributed acquisition systems. Technical Specifications Digital Input Channels: 32 optically isolated COS inputs Input Voltage Ranges: Field-configurable per channel - 5V, 12V, or 24-28V Input Modes: Voltage sensing or contact closure detection COS FIFO Buffer: 512 states deep Debouncing: Software-selectable for contact

closure inputs VMEbus Data Transfers: D32, D16, D08 (EO) accesses; byte, word, and long word support; D32 for COS data Interrupt Levels: User-selectable I(1) through I(7); programmable vector Interrupt Clearing: FIFO-empty (ROFE) or acknowledge (ROAK) modes Address Modes: A24 and A16 with corresponding modifiers; switch-selectable base address Form Factor: 6U VMEbus (166 × 233.4 mm) VMEbus Compliance: ANSI/IEEE STD 1014-1987, IEC 821 and 297Key Features Programmable per-channel COS detection with interrupt generation on state transitions Sequence-of-events monitoring with before/after state comparison External clock synchronization for multi-board event correlation Per-channel LED status indicators Supervisory and non-privileged addressing modes Standard VME or IEEE 1101.10 front panel optionsTypical Applications Critical industrial monitoring and alarm event sequencing Power systems protection and fault analysis Substation automation and SCADA data acquisition Multi-channel discrete signal event logging requiring precise time correlationCompatibility & Integration Fully compliant with VMEbus Specification ANSI/IEEE STD 1014-1987 and IEC standards. Supports synchronous multi-board operation via external clock input for extended monitoring beyond 32 channels.

VMIVME1184000000 Characteristics / Specifications

PARAMETER	VALUE
Model	VMIVME-1184-000000
Instrument Type	32-bit optically isolated COS input board with SOE
Card Form Factor	6U VME
Input Channels	32 optically isolated
Io Path	P2 rowsAandCCos Fifo Depth: up to 512 state changes
Soe Storage Depth	maximum 256 state changes
Input Port Group Size	eight inputs per port
Input Voltage Class 5 V	field configurable
Input Voltage Class 12 V	field configurable
Input Voltage Class 24 To 28 V	field configurable
Cos Edge Rising	causes 32-channel event storage into FIFO
Cos Edge Falling	causes 32-channel event storage into FIFO
Cos Edge Any	causes 32-channel event storage into FIFO
Cos Select Programming	CSR1 and COS Select registers
Data Transfer Widths	byte word and longword
Contact Debounce	software selectable
Front Panel Indicators	LED status per input
Transient Voltage Protection	supported
Input Mode Voltage Sensing	supported
Input Mode Contact Closure	supported
Ordering Alias Base	VMIVME-1184-000000
Queue Configuration Example	VMIVME-1184-000000

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-1184-000000
Instrument Type	32-bit optically isolated COS input board with SOE
Card Form Factor	6U VME
Input Channels	32 optically isolated
Io Path	P2 rowsAandCCos Fifo Depth: up to 512 state changes
Soe Storage Depth	maximum 256 state changes
Input Port Group Size	eight inputs per port
Input Voltage Class 5 V	field configurable
Input Voltage Class 12 V	field configurable
Input Voltage Class 24 To 28 V	field configurable
Cos Edge Rising	causes 32-channel event storage into FIFO
Cos Edge Falling	causes 32-channel event storage into FIFO
Cos Edge Any	causes 32-channel event storage into FIFO
Cos Select Programming	CSR1 and COS Select registers
Data Transfer Widths	byte word and longword
Contact Debounce	software selectable
Front Panel Indicators	LED status per input
Transient Voltage Protection	supported
Input Mode Voltage Sensing	supported
Input Mode Contact Closure	supported

Ordering Alias Base: VMIVME-1184-000000

Queue Configuration Example: VMIVME-1184-000000

Notes

From Abaco/VMIC VMIVME-1184 hardware publication 500-001184-000 Rev. B.0 and published feature summaries for FIFO depths, voltage classes, and COS/SOE behavior.

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.