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Data Sheet

August 15, 2026

ABACO SYSTEMS / VMIC

Abaco Systems / VMIC VME-1182A-020000 Digital Input Module

The Abaco Systems / VMIC VME-1182A-020000 is a 64-channel digital input module for VMEbus systems, delivering optically isolated signal acquisition with change-of-state detection, time tagging, and pulse accumulation. Built in VME 6U form factor, this module integrates into industrial and military I/O processing architectures requiring high-reliability event monitoring and data capture across multiple voltage standards. Typical Applications Industrial automation, military systems, process control, event logging, and signal monitoring requiring opto-isolated multi-channel digital acquisition with timestamp correlation. Compatibility & Integration Complies with VMEbus specification ANSI/IEEE STD 1014-1987, IEC 821, and IEC 297. Jumper-selected address modifiers support nonprivileged addressing modes. Aumictech offers NIST-traceable calibration and repair for the Abaco Systems / VMIC VME



MODEL

**Abaco Systems /
VMIC VME-1182A-
020000**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

**VME-1182A-
020000**

LISTING

[https://aumictechlabs.c
om/products/vme-1182
a-020000-2/](https://aumictechlabs.com/products/vme-1182a-020000-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Abaco Systems / VMIC VME-1182A-020000 is a 64-channel digital input module for VMEbus systems, delivering optically isolated signal acquisition with change-of-state detection, time tagging, and pulse accumulation. Built in VME 6U form factor, this module integrates into industrial and military I/O processing architectures requiring high-reliability event monitoring and data capture across multiple voltage standards.

Technical Specifications

Channels: 64 input channels

Isolation: Optically isolated inputs; 1500 VDC or 1100 VRMS channel-to-channel and channel-to-VME isolation

Form Factor: VME 6U

Data Transfer: 8, 16, or 32-bit widths

I/O Voltage Range: 5 to 60 VDC, 110 VAC, 240 VAC (ordering options support 5 to 250 VDC or 4 to 240 VAC)

Addressing: A24/A16 jumper-selected address space

Key Features

Change-of-State Detection: Per-channel rising edge, falling edge, or both; software-selectable with channel masking capability

Sequence of Events (SOE) Acquisition: Dual-buffer architecture for concurrent processing and loading; time-tagged COS events stored onboard with channel-by-channel monitoring

Time Tagging: Relative timer values up to 65,535 ms with VME-accessible reset

Pulse Accumulation: Per-channel event counting up to 65,535 pulses per channel

Programmable Debounce: Software-controlled per-channel debounce from 1.25 ms to 1.024 s; 2 ms minimum pulse detection width; 4 ms minimum period for simultaneous rising/falling edge detection

Input Configuration: Contact sensing or voltage sensing options available

Typical Applications

Industrial automation, military systems, process control, event logging, and signal monitoring requiring opto-isolated multi-channel digital acquisition with timestamp correlation.

Compatibility & Integration

Complies with VMEbus specification ANSI/IEEE STD 1014-1987, IEC 821, and IEC 297. Jumper-selected address modifiers support nonprivileged addressing modes.

VME1182A020000 Characteristics / Specifications

PARAMETER	VALUE
Model	VMIVME-1182
Alternate Model	VME-1182A
Instrument Type	isolated digital input module
Channel Count	64
Isolation Voltage	1500 VDC or 1100 VRMS
Input Voltage Dc Option	5 to 250 V DC
Input Voltage Ac Option	4 to 240 V AC
Debounce Range	1.25 ms to 1.024 s
Scan Interval Typical	1.0 ms
Minimum Detectable Pulse	2 ms after debounce
Functions Per Channel	COS pulse accumulation SOE time tag
Vme Addressing	A24/A16 D16/D08 EO slave
Vme Spec	IEEE 1014 Revision C.1
Form Factor	6U VME
Power Plus 5 V Typical Replacement Class	1.0 A
Operating Temperature Oem Listing	0 C to 55 C or 65 C class
Storage Temperature Class	minus 25 C to 85 C class
Board Height Depth Class	standard 6U VME
Connectors	P3 and P4 field inputs
Manufacturer	VMIC / Abaco / GE Fanuc heritage
Interrupt	ROAK on VME levels
Input Modes	contact sense or voltage sense options
Series Family	VMIVME digital input
Storage temperature	Class: minus 25 C to 85 C class

PARAMETER	VALUE
Operating temperature	Oem Listing: 0 C to 55 C or 65 C class

VME1182A020000 Specifications

PARAMETER	VALUE
Key Features	64 optically isolated inputs
Change of state and SOE support	6U VME form factor
Technical Specifications	Model: VMIVME-1182
Notes	Channel, isolation, voltage options, debounce, and VME addressing from VMIC/Abaco VMIVME-1182 / VME-1182 OEM literature.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 25 C to 85 C class
Operating temperature	Oem Listing: 0 C to 55 C or 65 C class
Operating Temperature	Oem Listing: 0 C to 55 C or 65 C class
Operating Temperature Oem Listing	0 C to 55 C or 65 C class
Storage Temperature Class	minus 25 C to 85 C class
Board Height Depth Class	standard 6U VME
Connectors	P3 and P4 field inputs
Manufacturer	VMIC / Abaco / GE Fanuc heritage
Interrupt	ROAK on VME levels
Input Modes	contact sense or voltage sense options
Series Family	VMIVME digital input Notes Channel, isolation, voltage options, debounce, and VME addressing from VMIC/Abaco VMIVME-1182 / VME-1182 OEM literature.

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-1182
Alternate Model	VME-1182A
Instrument Type	isolated digital input module
Channel Count	64
Isolation Voltage	1500 VDC or 1100 VRMS
Input Voltage Dc Option	5 to 250 V DC
Input Voltage Ac Option	4 to 240 V AC
Debounce Range	1.25 ms to 1.024 s
Scan Interval Typical	1.0 ms
Minimum Detectable Pulse	2 ms after debounce
Functions Per Channel	COS pulse accumulation SOE time tag
Vme Addressing	A24/A16 D16/D08 E0 slave
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Connectors	P3 and P4 field inputs
Manufacturer	VMIC / Abaco / GE Fanuc heritage
Interrupt	ROAK on VME levels
Input Modes	contact sense or voltage sense options
Series Family	VMIVME digital input
Notes	
Channel, isolation, voltage options, debounce, and VME addressing from VMIC/Abaco VMIVME-1182 / VME-1182 OEM literature.	

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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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
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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.