

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ABACO SYSTEMS / VMIC

Abaco Systems / VMIC VMIVME-3119-021 16-Bit Scanning Analog Input Board

Abaco Systems / VMIC Data Acquisition Systems (DAQ). Frequency Range: DC to 60 Hz (CMRR specification), Voltage / Current Range: ± 10 mV to ± 10 V input signal range.

**MODEL****Abaco Systems /
VMIC VMIVME-
3119-021****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****VMIVME-3119-021****LISTING**<https://aumictechlabs.com/products/vmivme-3119-021-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Abaco Systems / VMIC VMIVME-3119-021 is a 16-bit scanning analog input board for VMEbus systems delivering high-resolution digitization of differential signals across 16 independent channels. The board integrates per-channel programmable-gain amplifiers, fourth-order low-pass filters with DSP-based autocalibration, and a 4 million-sample data buffer to support demanding data acquisition workflows. Technical Specifications Analog Input 16 differential input channels Input signal range: ± 10 mV to ± 10 V 16-bit A/D resolution with high accuracy Programmable gain per channel: x1, x10, x100, x1,000 Filtering & Sampling Fourth-order low-pass filters (Bessel or Butterworth factory option) Selectable cutoff frequencies: 1 Hz, 10 Hz, 100 Hz, or 1 kHz Aggregate sampling rate: up to 100 kHz Programmable sample period: 10 μ s to 3.277 ms with 50 ns resolution Data Acquisition & Buffering On-board data buffer: up to 4 million samples Flexible

triggering: internal, external, or multiboard synchronous VMEbus interrupts at mid-scan or end-scan ROAK interrupt when buffer reaches 50% or 100% full Data-ready flag at end-scan or mid-scan Performance Common-Mode Rejection Ratio: specified from DC to 60 Hz with 350 Ω source imbalance Adjacent-channel crosstalk: -75 dB (DC to 1 kHz at 100 SPS) Other-channel crosstalk: -90 dB Input noise: typical and maximum specified in μ V RMS Calibration & Self-Test Per-channel autocalibration using DSP technology Precision internal voltage references for self-test without field cable disconnectionKey Features Two-slot VME form factor with UIOC capability Software-programmable scan tables for flexible channel sequencing Overvoltage input protection on all channels Single-byte interrupt vector on VMEbus acknowledgmentTypical Applications Multi-channel data logging, test automation, sensor signal conditioning, process monitoring, and real-time parameter acquisition in VMEbus-based instrumentation systems.Compatibility & Integration Designed for VMEbus environments requiring deterministic, synchronized analog acquisition across multiple channels with programmable gain and filtering per input.

VMIVME3119021 Characteristics / Specifications

PARAMETER	VALUE
Model	VMIVME-3119
Instrument Type	DSP-based 16-bit scanning analog input board
Card Form Factor	6U VME
Analog Input Channels	16 differential
Digitizing Resolution	16 bits
Aggregate Sample Rate	100 kHz
Programmable Gain X	supported
Programmable Gain X1	supported
Programmable Gain X10	supported
Filter Cutoff 1 Hz	software programmable fourth-order
Filter Cutoff 10 Hz	software programmable fourth-order
Filter Cutoff 100 Hz	software programmable fourth-order
Filter Cutoff 1 KHz	software programmable fourth-order
Filter Response Options	Bessel or Butterworth factory option
Input Signal Range Minimum	plus or minus 10 mV
Input Signal Range Maximum	plus or minus 10 V
Data Buffer Capacity	4 million data samples
Trigger Modes	internal external or multiboard synchronous
Interrupt Mid Scan	supported
Interrupt Scan Completion	supported
Overvoltage Input Protection	supported
Autocalibration	per channel
Ordering Alias Base	VMIVME-3119-000
Queue Configuration Example	VMIVME-3119-021

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-3119
Instrument Type	DSP-based 16-bit scanning analog input board
Card Form Factor	6U VME
Analog Input Channels	16 differential
Digitizing Resolution	16 bits
Aggregate Sample Rate	100 kHz
Programmable Gain X1	supported
Programmable Gain X10	supported
Programmable Gain X100	supported
Programmable Gain X1000	supported
Filter Cutoff 1 Hz	software programmable fourth-order
Filter Cutoff 10 Hz	software programmable fourth-order
Filter Cutoff 100 Hz	software programmable fourth-order
Filter Cutoff 1 KHz	software programmable fourth-order
Filter Response Options	Bessel or Butterworth factory option
Input Signal Range Minimum	plus or minus 10 mV
Input Signal Range Maximum	plus or minus 10 V
Data Buffer Capacity	4 million data samples
Trigger Modes	internal external or multiboard synchronous
Interrupt Mid Scan	supported
Interrupt Scan Completion	supported
Overvoltage Input Protection	supported
Autocalibration	per channel
Ordering Alias Base: VMIVME-3119-000	
Queue Configuration Example: VMIVME-3119-021	
Notes	
From VMIC/GID VME-3119 published feature specifications for channel count, 100 kHz aggregate rate, gains,	

filter corners, buffer depth, and input span. Finer absolute accuracy belongs on the faceplate and calibration certificate.

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.