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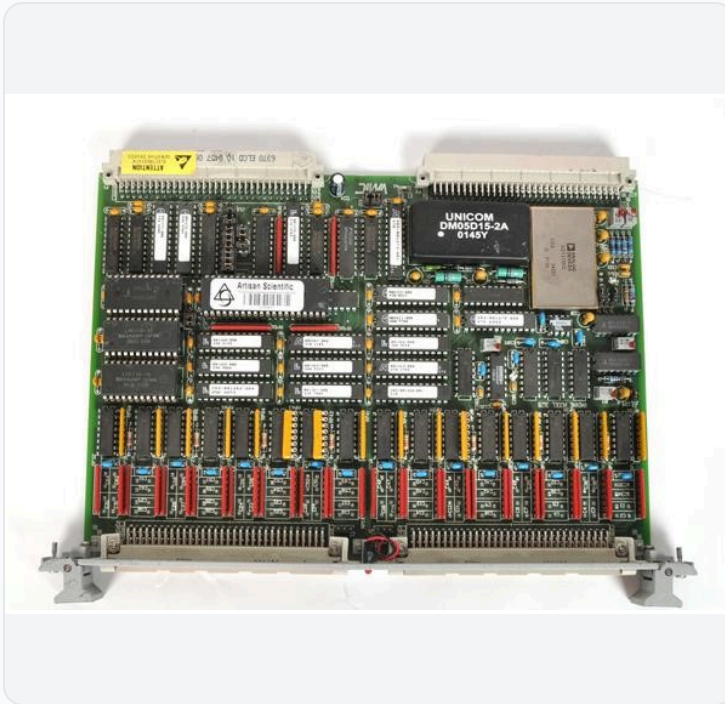
Data Sheet

August 15, 2026

ABACO SYSTEMS / VMIC

Abaco Systems / VMIC VMIVME-3128-000M01 Scanning 14-Bit A/D Converter Board

Abaco Systems / VMIC Data Acquisition Systems (DAQ). Voltage / Current Range: ± 10 V, ± 2.5 V, ± 5 V, 0 to +10 V, 0 to +5 V, Resolution: 14-bit A/D conversion, Channels: 64 differential or single-ended inputs.

**MODEL****Abaco Systems /
VMIC VMIVME-
3128-000M01****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****VMIVME-3128-
000M01****LISTING**<https://aumictechlabs.com/products/vmivme-3128-000m01-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Abaco Systems / VMIC VMIVME-3128-000M01 is a VMEbus-compatible 14-bit analog-to-digital converter board engineered for high-speed data acquisition in demanding environments. This scanning A/D converter delivers precise analog signal digitization across up to 64 differential or single-ended input channels with program-selectable channel configurations. On-board dual-ported memory, interval timers, and programmable bus interrupters minimize host processor overhead while supporting multiple acquisition modes from continuous autoscanning to triggered burst capture. Technical Specifications Resolution: 14-bit A/D conversion Input Channels: 64 differential or single-ended inputs; program-selectable scanning of 16, 32, 48, or 64 channels Conversion Rate: 52 kHz to 58 kHz; 17 μ s conversion cycle time (acquisition, conversion, and

storage) Channel Sample Rate (Maximum): 3.625 KSPS (58 KSPS ÷ minimum 16-channel scanning block) Data Buffer: 1,024-word capacity; configurable as 16-word deep × 64 channels; selectable 16 to 1,024 data words in six 2:1 ratios Programmable Gain Amplifier: Software-selectable gains of 1, 10, or 100; jumper-configurable for fixed or real-time per-channel control A/D Voltage Ranges (Jumper-Selectable): 0 to +5 V, 0 to +10 V, ±2.5 V, ±5 V, ±10 V Input Range: ±25 mV to ±10 V full-scale; overvoltage protected Interval Timer: User-programmable up to 536 seconds; supports repetitive or single-shot modes Key Features Operating Modes: Autoscanning, single-channel random polling, timed burst (repetitive or single-shot), locally triggered burst, remotely triggered burst, and gain loading VMEbus Compliance: DTB Slave, Interrupter (1 to 7), Requestor (DYN); ANSI/IEEE STD 1014-1987, IEC 821 and 297; A24/A16:D16/D8 address space support Interrupts: Programmable VMEbus interrupts at buffer scan completion or after specified sample counts; dynamic interrupt vector control Address Modes: Jumper-selectable short I/O A16 or standard A24 address space; supports supervisory/user privilege and data/program access Typical Applications High-density multichannel data acquisition, industrial control systems, signal monitoring, and real-time embedded measurement requiring flexible gain control and triggered data capture. Compatibility & Integration VMEbus systems requiring A/D conversion with minimal processor intervention; integrates with VMEbus backplane infrastructure supporting slave DTB operation and dynamic interrupt handling.

VMIVME3128000M01 Characteristics / Specifications

PARAMETER	VALUE
Model	VMIVME-3128
Instrument Type	Scanning 14-bit analog to digital converter board with programmable gain memory
Card Form Factor	VME 6U double height 160 × 233.35 mm class
Adc Resolution	14 bits
Input Channels Differential	64
Input Channels Single Ended	64
Channel Scan Selections	16 32 48 or 64
Scan Rate Maximum	58 kHz
Dual Port Data Buffer	1024 words
Gain Jumper Or Program X	supported
Gain Jumper Or Program X1	supported
Channel Voltage Range 0 To 5 V	supported
Channel Voltage Range 0 To 10 V	supported
Channel Voltage Range Plus Minus 2.5 V	supported
Channel Voltage Range Plus Minus 5 V	supported
Channel Voltage Range Plus Minus 10 V	supported
Pga Nonlinearity G	plus or minus 0.005 percent FSR
Pga Nonlinearity G1	plus or minus 0.01 percent FSR
Gain Accuracy G	plus or minus 0.008 percent FSR
Gain Accuracy G1	plus or minus 0.06 percent FSR
System Accuracy Drift G	plus or minus 20 ppm/C
System Accuracy Drift G1	plus or minus 90 ppm/C
Common Mode Voltage Linear	plus or minus 9 V with maximum input plus or minus 11 V on either line
Common Mode Rejection	82 dB DC to 100 Hz 64-channel block size
Data Coding	two's complement or straight/offset binary left-justified in 16-bit word

PARAMETER	VALUE
Operating Temperature	0 to 55 C standard VME slot
Storage Temperature	-40 to plus 85 C
Humidity	10 to 80 percent relative noncondensing
Altitude Operating	10000 ft (3048 m)
Cooling	forced air convection standard VMEbus slot
Ordering Alias Base	VMIVME-3128-000
Ordering Alias Marked	VMIVME-3128-000M01

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 to plus 85 C
Operating temperature	0 to 55 C standard VME slot
Operating Temperature	0 to 55 C standard VME slot
Humidity	10 to 80 percent relative noncondensing
Altitude Operating	10000 ft (3048 m)
Cooling	forced air convection standard VMEbus slot
Ordering Alias Base	VMIVME-3128-000
Ordering Alias Marked	VMIVME-3128-000M01 Notes From Abaco VME-3128A product page and VMIC VMIVME-3128 specification excerpts (accuracy, CMRR, environmental). Queue SKU VMIVME-3128-000M01 is a marked configuration of the same board.

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-3128
Instrument Type	Scanning 14-bit analog to digital converter board with programmable gain memory
Card Form Factor	VME 6U double height 160 x 233.35 mm class
Adc Resolution	14 bits
Input Channels Differential	64
Input Channels Single Ended	64
Channel Scan Selections	16 32 48 or 64
Scan Rate Maximum	58 kHz
Dual Port Data Buffer	1024 words
Gain Jumper Or Program X1	supported
Gain Jumper Or Program X10	supported
Gain Jumper Or Program X100	supported
Channel Voltage Range 0 To 5 V	supported
Channel Voltage Range 0 To 10 V	supported
Channel Voltage Range Plus Minus 2.5 V	supported
Channel Voltage Range Plus Minus 5 V	supported
Channel Voltage Range Plus Minus 10 V	supported
Pga Nonlinearity G1	plus or minus 0.005 percent FSR
Pga Nonlinearity G10	plus or minus 0.005 percent FSR
Pga Nonlinearity G100	plus or minus 0.01 percent FSR
Gain Accuracy G1	plus or minus 0.008 percent FSR
Gain Accuracy G10	plus or minus 0.06 percent FSR
Gain Accuracy G100	plus or minus 0.06 percent FSR
System Accuracy Drift G1	plus or minus 20 ppm/C
System Accuracy Drift G10	plus or minus 50 ppm/C

PARAMETER	VALUE
System Accuracy Drift G100	plus or minus 90 ppm/C
Common Mode Voltage Linear	plus or minus 9 V with maximum input plus or minus 11 V on either line
Common Mode Rejection	82 dB DC to 100 Hz 64-channel block size
Data Coding	two's complement or straight/offset binary left-justified in 16-bit word
Operating Temperature	0 to 55 C standard VME slot
Storage Temperature	-40 to plus 85 C
Humidity	10 to 80 percent relative noncondensing
Altitude Operating	10000 ft (3048 m)
Cooling	forced air convection standard VMEbus slot

Ordering Alias Base: VMIVME-3128-000
Ordering Alias Marked: VMIVME-3128-000M01

Notes
From Abaco VME-3128A product page and VMIC VMIVME-3128 specification excerpts (accuracy, CMRR, environmental). Queue SKU VMIVME-3128-000M01 is a marked configuration of the same board.

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.