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Data Sheet

August 15, 2026

ABACO SYSTEMS / VMIC

Abaco Systems / VMIC VMIVME-200-160 21-Slot Mainframe with 20-Slot Backplane

The Abaco Systems / VMIC VMIVME-200-160 is a 21-slot VMEbus mainframe with a 20-slot backplane engineered for modular system integration in industrial, commercial, and military applications. Built from extruded aluminum with integral one-piece card guides, the chassis delivers structural rigidity while punched openings between guides enable efficient thermal management. The non-conducting epoxy powder coat finish provides durability and environmental protection. Typical Applications The VMIVME-200-160 is the foundational platform for distributed I/O, data acquisition, real-time control, and signal processing systems where modular architecture and thermal management are critical. Commonly deployed in legacy industrial automation, defense electronics, avionics, and telecommunications infrastructure. Compatibility & Integration The mainframe integrates with VMIC VMEbus modules, selectable



MODEL

**Abaco Systems /
VMIC VMIVME-
200-160**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

VMIVME-200-160

LISTING

<https://aumictechlabs.com/products/vmivme-200-160-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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Technical Specifications

Chassis Type: 21-slot mainframe
Backplane Slots: 20 available slots
Chassis Depth: 160 mm standard
Construction Material: Extruded aluminum
Card Guides: Integral one-piece extruded aluminum design
Finish: Durable, non-conducting epoxy powder coat
Power Supply Options: $\pm 12V$ outputs (various VMIC power supplies compatible)

Key Features

Extruded aluminum construction ensures rigid, flexure-resistant chassis assembly
Punched openings between card guides optimize uninterrupted airflow and cooling efficiency
One-piece card guides prevent flexing and module breakage during operation
Configurable with multiple VMIC backplane and power supply combinations
Field-proven VMEbus standard architecture

Typical Applications

The VMIVME-200-160 is the foundational platform for distributed I/O, data acquisition, real-time control, and signal processing systems where modular architecture and thermal management are critical. Commonly deployed in legacy industrial automation, defense electronics, avionics, and telecommunications infrastructure.

Compatibility & Integration

The mainframe integrates with VMIC VMEbus modules, selectable backplane configurations (VMIVME-M20, VMIVME-M10), and power supplies including VMIVME-00PS750-112, VMIVME-PS400-112, and VMIVME-PS500-115. System configuration depends on backplane selection and VMEbus module compliance.

VMIVME200160 Characteristics / Specifications

PARAMETER	VALUE
Model	VMIVME-200-160
Instrument Type	VME mainframe chassis
Slot Count Mainframe	21
Backplane Slots	20
Bus Standard	VMEbus
Form Factor	6U VME card cage class
Manufacturer	VMIC Abaco Systems
Cooling	forced air
Mounting	19 inch rack class
Power	shelf supply dependent
Backplane	P1 P2 VME
Operating Temperature Class	industrial
Humidity Class	non condensing
Card Height	6U
Card Depth	VME standard
Front	card ejectors and guides
Rear	power andIOaccess class
Grounding	chassis ground
Duty	continuous
Construction	metal enclosure
Airflow	front to rear or bottom to top per build
Status	power indicators class
Compatibility	VMIVME boards
Safety	earth grounded rack
Operating temperature	Class: industrial

PARAMETER	VALUE
Humidity	Class: non condensing

VMIVME200160 Specifications

PARAMETER	VALUE
Key Features	21 slot mainframe package
Forced air cooling class	19 inch rack compatible chassis
Technical Specifications	Model: VMIVME-200-160

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: industrial
Operating Temperature	Class: industrial
Humidity	Class: non condensing
Operating Temperature Class	industrial
Humidity Class	non condensing
Card Height	6U
Card Depth	VME standard
Front	card ejectors and guides
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Grounding	chassis ground
Duty	continuous
Construction	metal enclosure
Airflow	front to rear or bottom to top per build
Status	power indicators class
Compatibility	VMIVME boards
Safety	earth grounded rack Notes From Abaco / VMIC VMIVME-200-160 inventory title describing 21-slot mainframe with 20-slot backplane. Exact PSU wattage and backplane J2 I/O are chassis option dependent.

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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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.