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Data Sheet

August 15, 2026

CHRISLIN INDUSTRIES

Chrislin Industries CI-VME80 VME Memory Board

The Chrislin Industries CI-VME80 is a DRAM VME memory board designed for VMEbus systems. It provides reliable and high-capacity memory for demanding industrial and embedded applications. This board enhances system performance with fast data access and solid error detection capabilities.



MODEL

**Chrislin Industries
CI-VME80**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

CI-VME80

LISTING

<https://aumictechlabs.com/products/ci-vme80-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Chrislin Industries CI-VME80 is a DRAM VME memory board designed for VMEbus systems, offering a solid solution for demanding industrial and embedded applications requiring reliable and high-capacity memory. This board is engineered to enhance system performance through rapid data access and comprehensive error detection capabilities. The CI-VME80 supports high-speed Direct Memory Access (DMA) and dedicated data acquisition, maximizing memory transfer rates for large memory capacities. Technical Specifications * Product Name: Chrislin Industries CI-VME80 Product Type: DRAM VME Memory Board Capacities: Available in 32MB, 64MB, 128MB, 256MB, and 512MB configurations. Bus Compatibility: * VMEbus * VSB (VME Subsystem Bus) * VME64 * Fully compliant with ANSI/VITA 1-1994, ANSI/VITA 1.1-1997, and VSB Rev. C Bus Specifications. Performance: * Optimized for Block Transfer Cycles. * Bus transfer rate up to 80 megabytes per second on the VME64 Bus. * Cycle Times: * 95 nanoseconds (Block Cycle) * 195

nanoseconds (Single Cycle) * Access Times: * 30 nanoseconds (Block Cycle) * 90 nanoseconds (Write/Single Cycle) * 140 nanoseconds (Read/Single Cycle) Word Size: Supports 8, 16, 24, 32, or 64 bits. Memory Addressing: * 32 or 24 bits. * 4 GB maximum, selectable on 1 MB boundaries. CSR Addressing: Configurable address selection. Modes of Operation: * Supports VMEbus Address Modifiers. * Includes enhanced operational features with integrated common data manipulation functions, reducing conventional read-modify-write processes. * Supports ALU functions such as Add, Subtract, AND, OR, and Exclusive OR over the 32-bit data word. Error Handling: * Parity memory for VMEbus systems. * Byte Parity Error Detection circuitry for data integrity. * 1 RED, 4 GREEN LED Indicators. Power Requirements: * Low power consumption. * Typically 2.5A at +5 Volts. Physical: * Form Factor: 6U VMEbus. Environmental: * Designed Temperature Range: Not specified in provided data. Interfaces * VMEbus Interface: * P1 and P2 connectors compatible with VME64x standards. * Supports A16, A24, A32 addressing. * Supports D8, D16, D32, D64 data transfer. * Supports block transfers, including MBLT64, 2eVME, and 2eSST. * Master/Slave architecture. VSB Interface: * Fully compliant with VSB Rev. C Bus Specifications. Compatibility * VMEbus Standards: * ANSI/VITA 1-1994 * ANSI/VITA 1.1-1997 * VME64 * VME64x Extensions VSB Standards: * VSB Rev. C System Controller: Flexible address selections allow placement into any VMEbus environment. Enhanced Operational Features The CI-VME80 incorporates two custom ASICs designed for DRAM functions. A novel approach to data storage integrates common data manipulation functions directly onto the board. This allows for operations such as adding a value to a memory location to be performed in a single write cycle, significantly reducing the conventional three-step process (read, modify, write). Supported ALU functions include Add, Subtract, AND, OR, and Exclusive OR, all capable of operating on a 32-bit data word. Why Choose Aumictech for the Chrislin Industries CI-VME80 DRAM VME Memory Board? At Aumictech, we specialize in supplying high-end VMEbus equipment. Whether you need high-capacity memory solutions for demanding embedded systems, high-speed data transfer capabilities for critical applications, or solid error detection for enhanced data integrity, our team ensures the Chrislin Industries CI-VME80 delivers maximum performance for your application.

CIVME80 Characteristics / Specifications

PARAMETER	VALUE
Model	CI-VME80
Instrument Type	VME memory board
Family	Chrislin Industries CI-VME
Bus	VMEbus
Manufacturer	Chrislin Industries
Literature	Chrislin CI-VME80 VME memory board listings
System Role	VME shared/expansion memory
Address Space Class	A24/A32 (data sheet)
Data Width Class	D16/D32 (data sheet)
Capacity Class	DRAM/SRAM capacity on the CI-VME80 sheet
Access Time Class	ns access on the CI-VME80 sheet
Parity Class	parity/ECC on the sheet
Form Factor	VME 6U class memory module
Power Class	VME P1/P2 rails (data sheet)
Operating Temperature Class	VME commercial/industrial on the sheet
Brand Lineage	Chrislin Industries
Documentation Type	CI-VME80 listing
Ate Class	crate memory expansion
Host Class	VME CPU / slot-0
Year Class	CI-VME80
Use Case	shared VME memory
Module Class	VME DRAM/SRAM
Connector Class	VME P1/P2
Battery Class	SRAM battery backup if equipped (sheet)
Interleave Class	bank interleave on the sheet

PARAMETER	VALUE
Operating temperature	Class: VME commercial/industrial on the sheet

CIVME80 Specifications

PARAMETER	VALUE
Applications	VMEbus memory expansion for A24/A32 masters in instrumentation crates.
Key Features	Chrislin CI-VME80 VME memory
Parity/ECC class on the sheet	VME 6U memory module
Technical Specifications	Model: CI-VME80
Notes	From Chrislin CI-VME80 VME memory-board listings. Megabytes, access ns, and parity/ECC are on the CI-VME80 data sheet; do not invent them.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: VME commercial/industrial on the sheet
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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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Notes

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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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.