

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

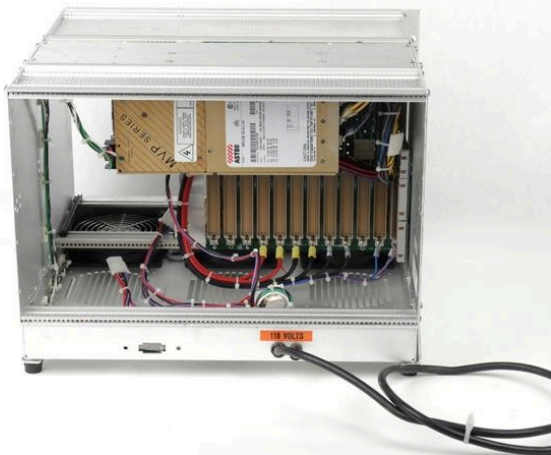
Data Sheet

August 15, 2026

DAWN VME

Dawn VME RME-7612 7U VME64 Powered Enclosure

The Dawn VME RME-7612 is a 7U VME64 powered enclosure engineered for industrial and embedded systems requiring stable, board support. This 19" W × 12.22" H × 16.35" D chassis delivers configurable power delivery from 350W to 800W (expandable to 1000W), supporting up to 40W per slot across a 2 to 13-slot VMEbus backplane architecture. The H5052 aluminum frame, alodine coated with grain finish, weighs under 15–30 lb depending on configuration and achieves MTBF >50,000 hours at +40°C with a 13-slot backplane, 800W supply, and three-fan cooling system. Humidity: 50,000 hours at +40°C (13-slot, 800W PSU, 3-fan configuration) Electrical Airflow: >250 CFM, bottom-to-top architecture with perforated top cover Backplane & Interfaces Aumictech offers NIST-traceable calibration and repair for the Dawn VME RME-7612. All calibrations are performed to NIST-traceable standards and ship with a certif



MODEL

Dawn VME RME-7612

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

RME-7612

LISTING

<https://aumictechlabs.com/products/rme-7612-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Dawn VME RME-7612 is a 7U VME64 powered enclosure engineered for industrial and embedded systems requiring stable, board support. This 19" W × 12.22" H × 16.35" D chassis delivers configurable power delivery from 350W to 800W (expandable to 1000W), supporting up

to 40W per slot across a 2 to 13-slot VMEbus backplane architecture. The H5052 aluminum frame, alodine coated with grain finish, weighs under 15–30 lb depending on configuration and achieves MTBF >50,000 hours at +40°C with a 13-slot backplane, 800W supply, and three-fan cooling system. Technical Specifications Mechanical & Environmental Form factor: 7U Dimensions: 19" W × 12.22" H × 16.35" D (internal depth 17") Material: H5052 aluminum, alodine coated Operating temperature: 0°C to +50°C Storage temperature: -20°C to +85°C Humidity: 50,000 hours at +40°C (13-slot, 800W PSU, 3-fan configuration) Electrical Power supply options: 350W, 400W, 600W, 800W, up to 1000W Input: 85–264 VAC, 47–440 Hz, autoranging Output ratings: 50A (350W), 55A (400W), 60A (600W), 120A (800W) Maximum power per slot: ~40W Cooling Three 120 mm × 24 mm, 12 VDC fans Airflow: >250 CFM, bottom-to-top architecture with perforated top cover Backplane & Interfaces VMEbus 2 to 13-slot configurations with manual or automatic Bus Grant/IACK 21-slot 6UX160MM card cage available VME64x and CompactPCI support Four Transition Module slots Shrouded P2 connectors Key Features Standards-compliant (ANSI/VITA 1-1994, IEEE P1014) Flexible power scaling from 350W to 1000W Dual backplane architectures (manual/automatic daisy-chain) Provisions for two full-height 5.25" peripherals with 4-peripheral power harness Optional front-mounted handles Compatibility & Integration Fully compatible with VMEbus, VME64x, and CompactPCI architectures. Supports manual or automatic Bus Grant and IACK configurations, enabling integration into legacy and modern embedded systems without topology redesign.

RME7612 Characteristics / Specifications

PARAMETER	VALUE
Model	RME-7612
Instrument Type	VME64 powered enclosure
Family	Dawn VME RME
Height	7U
Bus	VME64
Manufacturer	Dawn VME Products
Literature	Dawn VME RME-7612 7U VME64 powered-enclosure listings
System Role	powered VME64 chassis
Use Case	VME64 system and development
Sibling	DEV-7713 VME64x tabletop development chassis
Form Factor	7U enclosure
Documentation Type	RME-7612 listing
Brand Lineage	Dawn VME Products
Application Class	VME chassis
Related	Dawn RME / DEV enclosures
Connector Class	VME64 backplane plus mains
Host Class	VME64 boards
Year Class	RME-7612
Ate Class	VME enclosure
Module Class	powered card cage
Backplane Class	VME64 (slot count on data sheet)
Power Class	integral PSU (watts on data sheet)
Cooling Class	chassis fans (data sheet)
Rack Class	7U

RME7612 Specifications

PARAMETER	VALUE
Applications	7U VME64 powered enclosure for VME64 system and development racks.
Key Features	Dawn RME-7612 7U VME64 enclosure
Powered VME64 card cage	Sibling DEV-7713 VME64x tabletop
Technical Specifications	Model: RME-7612

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	RME-7612
Instrument Type	VME64 powered enclosure
Family	Dawn VME RME
Height	7U
Bus	VME64
Manufacturer	Dawn VME Products
Literature	Dawn VME RME-7612 7U VME64 powered-enclosure listings
System Role	powered VME64 chassis
Use Case	VME64 system and development
Sibling	DEV-7713 VME64x tabletop development chassis
Form Factor	7U enclosure
Documentation Type	RME-7612 listing
Brand Lineage	Dawn VME Products
Application Class	VME chassis
Related	Dawn RME / DEV enclosures
Connector Class	VME64 backplane plus mains
Host Class	VME64 boards
Year Class	RME-7612
Ate Class	VME enclosure
Module Class	powered card cage
Backplane Class	VME64 (slot count on data sheet)
Power Class	integral PSU (watts on data sheet)
Cooling Class	chassis fans (data sheet)
Rack Class	7U

Notes

From Dawn VME RME-7612 7U VME64 powered-enclosure listings. Slot count, backplane J1/J2, and PSU watts are on the RME-7612 data sheet; do not invent them.

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.