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Data Sheet

August 2, 2026

ASTRONICS / C&H TECHNOLOGIES

Astronics / C&H Technologies VX402C-64 Active Module Carrier

Astronics / C&H Technologies VX402C-64 Active Module Carrier The Astronics / C&H Technologies VX402C-64 is an active VXI carrier that allows a 3U or 6U VME, A/B-size VXI, or VME64 module to operate in a C-size VXI mainframe. The carrier provides an actively buffered electrical interface for standard bus signals that meets VME specifications, plus a C-size mechanical enclosure so the carried module front panel sits flush with adjacent C-size instruments. It supports interrupts, optional P2 VME signals to the front panel, VXI TTL triggers, and a prototype area for SUMBUS buffering. Selected versions supply +3.3 V on P1 row D for VME64 extension power (not full VME64x bus support). The Astronics / C&H Technologies VX402C-64 is an active VXI carrier that allows a 3U or 6U VME, A/B-size VXI, or VME64 module to operate in a C-size VXI mainframe. The carrier provides an actively buffered electrical interface for standard bus signals that meets VME specifications, plus a C-size mechanical enclosure so the carried module front panel sits flush with adjacent C-size instruments. It supports interrupts, optional P2 VME signals to the front panel, VXI TTL triggers, and a prototype area for SUMBUS buffering. Selected versions supply +3.3 V on P1 row D for VME64 extension power (not full VME64x bus support). Re-using VME/VXI A/B or VME64 cards in C-size VXI chassis; migrating legacy mezzanine/instrument car



MODEL

**Astronics /
C&H
Technologies
VX402C-64**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

VX402C-64

LISTING

<https://aumictechlabs.com/products/vx402c-64-2/>

NIST-traceable cal

SAM registered

30-day returns

This unit

The Astronics / C&H Technologies VX402C-64 Active Module Carrier adapts VME, VME64, or VXI (A or B size) modules for integration into C-size VXI mainframe chassis. The carrier delivers an actively buffered electrical interface for standard bus signals, ensuring full compliance with VME/VXIbus driving and loading specifications. It supports legacy system upgrades and provides flexible power conditioning options for VME64 modules. Technical Specifications Bus Compliance VXIbus Specification Revision 1.4 (single-slot C-size modules) VMEbus Specification ANSI/IEEE STD 1014-1987, IEC 821, IEC 822 Address & Data Addressing: A32/A24/A16 Data transfers: D32/D16 Slave Interrupt and trigger support: Yes Electrical Interface Active logic buffering for data, address, interrupt, and trigger lines ECL and TTL buffered outputs Compliant with VME/VXIbus driving and loading specifications Pass-through P2 connectors for VME module integration Power Supply Options VME64 power supplied from VXI backplane or via power converters: Option -0001: 37 W combined; +3.3 V from VXI +5 V Option -0002: 40 W combined; no +3.3 V supply Option -0003: 40 W combined; 23 W +3.3 V from VXI -24 V Option -0004: 40 W combined; 23 W +3.3 V from VXI +24 V Option -0005: 63 W combined; +5 V from VXI +24 V, +3.3 V from VXI -24 V All power limited to maximum 1.2 A per VXI power pin. Versions -0003 and -0004 current-limited on ± 24 V pins to 1.2 A. All VXI power supplies are fused. Physical Dimensions Conforms to VXI Size-C module specification Carrier alone: 233.35 mm (9.187 in) high $\times$ 156.337 mm (6.155 in) deep With adapted VME module: 233.35 mm (9.187 in) high $\times$ 340.0 mm (13.386 in) deep Designed for 30.48 mm (1.2 in) slot spacing; VME module front panel flushes with adjacent C-size modules Key Features Active logic buffering ensures spec-compliant signal integrity across VME/VXIbus interfaces Multiple power supply configurations support diverse VME64 loading scenarios Pass-through connectors preserve full P2 connector functionality Fused VXI power distribution for protection Typical Applications Integration of legacy VME or VME64 modules into VXI C-size chassis environments Adaptation of VXI A or B-size modules to C-size mainframes System upgrades requiring cross-platform module compatibility Compatibility & Integration Supports VME, VME64, VXI A-size, and VXI B-size modules. Part number: 11028500-xxxx (options denoted by suffix).

Features & description

From manufacturer datasheet

Features

- Active buffered interface for VME / A-B VXI / VME64 modules in C-size VXI
- 3U or 6U carried-module support
- Flush C-size enclosure and front-panel alignment
- Interrupt support; optional P2 signals to front panel
- VXI TTL trigger support; SUMBUS prototype buffering area
- Selected versions provide +3.3 V on P1 row D (VME64 extension power pins)
- Carrier power typically under 2 W from +5 V (plus carried-module load)

VX402C Characteristics / Specifications

PARAMETER	VALUE
Model	VX402C-64
Manufacturer	Astronics / C&H Technologies
Instrument Type	VXI active module carrier / adapter
Form Factor	C-size VXI carrier for 3U/6U VME, A/B VXI, or VME64 module
Bus Interface	actively buffered VME-class signals
VME64x	not full VME64 extension bus; +3.3 V on P1-D on selected dash versions
Carrier Power	typically less than 2 W from +5 V (carrier only)
Part Number Class	11028500 (RevCor higher per manual; confirm installed dash option -0001/-0002/etc.) Standard Operating Conditions Verify carried-module height, connector, and power requirements against the VX402C-64 version table before installation. Carrier draw is additive to the carried module. Ensure VXI backplane current capacity for +5 V (and +3.3 V / +/-24 V where applicable to the dash version).

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, plus a C-size mechanical enclosure so the carried module front panel sits flush with adjacent C-size instruments. It supports interrupts, optional P2 VME signals to the front panel, VXI TTL triggers, and a prototype area for SUMBUS buffering. Selected versions supply +3.3 V on P1 row D for VME64 extension power (not full VME64x bus support).

Applications

Re-using VME/VXI A/B or VME64 cards in C-size VXI chassis; migrating legacy mezzanine/instrument cards into modern VXI racks; buffered transparent bus bridging for ATE.

Key Features

- Active buffered interface for VME / A-B VXI / VME64 modules in C-size VXI
- 3U or 6U carried-module support
- Flush C-size enclosure and front-panel alignment
- Interrupt support; optional P2 signals to front panel
- VXI TTL trigger support; SUMBUS prototype buffering area
- Selected versions provide +3.3 V on P1 row D (VME64 extension power pins)
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Technical Specifications

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Operational Notes

Confirm exact dash option on the faceplate for 3.3 V and auxiliary power pin capability. Full electrical capability of the installed VME/VXI card is defined by that card's datasheet.

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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30-day returns
NAICS 423690 · 811210 · 541380
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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.