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Data Sheet
August 2, 2026

ASTRONICS / C&H TECHNOLOGIES

Astronics / C&H Technologies VX405C M/MA Module Carrier

Astronics / C&H Technologies VX405C M/MA Module Carrier The Astronics / C&H Technologies VX405C isaC-size register-based VXIbus carrier that provides mechanical and electrical interfaces for up to six ANSI/VITA 12-1996 compliant M-module or MA-module mezzanine modules. Each installed mezzanine appears as an independent VXI logical address. The carrier supports A16/A24/A32 addressing and D8/D16/D32 data transfers, programmable VXI interrupt levels per module, and routing of M/MA TRIGA/TRIGB to VXI TTL trigger lines under software control. The Astronics / C&H Technologies VX405C isaC-size register-based VXIbus carrier that provides mechanical and electrical interfaces for up to six ANSI/VITA 12-1996 compliant M-module or MA-module mezzanine modules. Each installed mezzanine appears as an independent VXI logical address. The carrier supports A16/A24/A32 addressing and D8/D16/D32 data transfers, programmable VXI interrupt levels per module, and routing of M/MA TRIGA/TRIGB to VXI TTL trigger lines under software control. Multiple instrument types in one VXI slot (DMM, counter, serial, protocol bridges); VXI ATE glue logic; porting custom M/MA UUT interfaces into VXI systems; mixed mezzanine widths (1–4 wide combinations per manual).

MODEL **Astronics / C&H Technologies VX405C**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **VX405C**	LISTING **https://aumictechlabs.com/products/vx405c-2/**

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This unit

The Astronics / C&H Technologies VX405C M/MA Module Carrier is a VXIbus-resident carrier that provides mechanical and electrical interfacing for up to six VITA 12-1996 standard M/MA modules within a single VXI slot. The carrier manages VXI register configuration and delivers independent I/O space and memory access to each installed module, with individual logical addressing enabling flexible instrument integration. Each M/MA module operates as a distinct logical address within the VXI environment, supporting custom UUT interfacing through a library of over 200 available modules. Technical Specifications Module Capacity: Accommodates up to six (6) single-wide M or MA modules Addressing: VXI A16, A24, and A32 addressing; D8, D16, and D32 data accesses Data Access Time: <800 ns for M/MA modules Module Functions: Extended M-Module Functions (MA) supported EMI Shielding: Front panel EMI shielding integrated Physical Dimensions (VXIbus Rev. 1.4 compliant, single slot 'C' size): Height: 233.35 mm (9.187 in) Depth: 340 mm (13.386 in) Operating Temperature: 0°C to +55°C Storage Temperature: -40°C to +75°C Humidity: <95% without condensation Key Features Individual logical addressing for each installed M/MA module enables independent control and access VXI register management for simplified integration and configuration Fast data access (<800 ns) supports demanding test and measurement operations Front panel EMI shielding maintains signal integrity in RF-sensitive environments Supports extended M-module functionality for advanced instrumentation requirements Typical Applications Multi-instrument VXI test systems requiring compact slot utilization Custom interface development for Units Under Test (UUT) via M/MA module selection Distributed measurement and embedded test configurations Compatibility & Integration Designed for VITA 12-1996 standard M/MA modules and full VXIbus system integration. Mechanical form factor conforms to VXIbus specification Rev. 1.4.

Features & description

From manufacturer datasheet

Features

• Up to six M/MA modules in one C-size VXI slot • Each mezzanine is an independent VXI logical instrument • ANSI/VITA 12-1996 M-module and MA-module support • A16/A24/A32 and D8/D16/D32 access • Programmable VXI IRQ per module (ROAK class) • TRIGA/TRIGB routable to VXI TTL triggers • MODID and SYSFAIL indicators • Sequential or Modulo-8 logical addressing option • VXIbus Rev 1.4 / IEEE 1014 compliance

VX405C Characteristics / Specifications

PARAMETER	VALUE
Model	VX405C
Manufacturer	Astronics / C&H Technologies (Racal Instruments lineage)
Instrument Type	VXI M/MA module carrier
Form Factor	C-size VXI register-based slave
M/MA Capacity	up to six single-wide M/MA modules (mixed widths per manual)
VXI Access	A16/A24/A32; D8/D16/D32
Interrupts	ROAK, programmable levels per module
Triggers	SYNC TTL trigger protocol; MA TRIGA/TRIGB mappable
Power	+5 V at about 1.3 A typical (carrier) plus mezzanine loads; +12 V and -12 V supplied to modules
M/MA Access Time	less than 800 ns (manual class)
Ordering Example	11027050-0001 (M/MA module carrier)
Compliance	VXIbus Rev 1.4; ANSI/IEEE 1014-1987; IEC 821 Standard Operating Conditions Install in C-size VXI slot with adequate +5 V and mezzanine cooling. Configure logical addresses per system resource manager requirements. Use Interactive Mezzanine Control software where applicable.

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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Ordering Example: 11027050-0001 (M/MA module carrier)
Compliance: VXIbus Rev 1.4; ANSI/IEEE 1014-1987; IEC 821

Standard Operating Conditions
Install in C-size VXI slot with adequate +5 V and mezzanine cooling. Configure logical addresses per system resource manager requirements. Use Interactive Mezzanine Control software where applicable.

Operational Notes
Installed M/MA modules define front-panel I/O and memory requirements–the carrier only provides the bridge. Confirm revision-specific auxiliary +/-24 V connector availability on RevCor higher assemblies when needed by mezzanine modules.

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

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