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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E2251A

HP Agilent E2251A C-Size VXI M-Module Carrier The HP E2251A isaC-size VXI M-module carrier. OEM E2251A listings describe a C-size VXI card that hosts M-modules (mezzanine I/O per the M-module / ANSI-VITA mezzanine practice) so analog, digital, or communication M-modules appear as VXI instruments. The carrier provides VXI backplane interface, power, and triggering for installed M-modules in 75000-class C-size mainframes. Instrument Type: C-size VXI M-module carrier Host Family: HP 75000 C-size VXI mainframes The HP E2251A isaC-size VXI M-module carrier. OEM E2251A listings describe a C-size VXI card that hosts M-modules (mezzanine I/O per the M-module / ANSI-VITA mezzanine practice) so analog, digital, or communication M-modules appear as VXI instruments. The carrier provides VXI backplane interface, power, and triggering for installed M-modules in 75000-class C-size mainframes. Instrument Type: C-size VXI M-module carrier Host Family: HP 75000 C-size VXI mainframes Backplane: VXI backplane interface, power, and triggering



MODEL

**Agilent / Keysight
E2251A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E2251A

LISTING

<https://aumictechlabs.com/products/e2251a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E2251A is a C-size, single-slot VXI M-Module Carrier that provides cost-effective integration of specialized functionality into VXIbus systems. It accommodates up to six M-Modules, each with independent logical addressing, enabling tailored system configurations that optimize both cost and performance. The carrier manages the electrical and mechanical

interface between the VXIbus backplane and installed M-Modules, handling VXI register configuration, I/O space and memory access, and interrupt handling. Fully programmable interrupts are available for each M-Module.

Technical Specifications

Module Type: M-Module

Carrier Form Factor: C-Size, 1-Slot VXI

Specification Compliance: Revision 1.4

M-Module Capacity: Up to six M-Modules per carrier (five recommended for optimal cabling access)

Addressing: Independent logical address per M-Module

Backplane Interface: P1/2 connectors providing VXIbus backplane access

Register Management: VXI register configuration, I/O space, and memory access

Interrupt Handling: Fully programmable per M-Module

Key Features

- Cost-effective addition of modular functionality blocks
- Flexible M-Module combinations to match application requirements
- Independent logical addressing for each installed module
- Full VXI Specification Revision 1.4 compliance
- Programmable interrupt capability per module

Compatibility & Integration

The E2251A supports a wide range of Agilent/Keysight M-Modules including the E2259A Double-Wide Breadboard, E2261A Quad RS-232 Interface, E2270A 16-Channel Form A Switch, E2271A 4×4 Matrix Switch, E2272A Dual 8×1 Relay Multiplexer, E2273A 8-Channel Form C Switch, E2274A 4-Channel Form C Power Relay, E2290A 16-Bit Digital I/O, and E2291A 16-Channel Isolated Digital Output modules. When paired with the Agilent E1406A Command Module, the carrier supports up to 31 M-Modules. Embedded controllers such as the Agilent E8491B and MXIbus solutions enable configurations supporting up to 255 M-Modules. VXIplug&play support is provided for Windows 95/NT and HP-UX frameworks.

E2251A Characteristics / Specifications

PARAMETER	VALUE
Model	E2251A
Instrument Type	C-size VXI M-module carrier
Vxi Size	C-size
Mezzanine	M-module sites
Host Family	HP 75000 C-size VXI mainframes
Backplane	VXI backplane interface, power, and triggering
Manufacturer	HP Agilent Keysight
Use Case	M-module carrier in VXI
Literature	Agilent E2251A C-size M-module carrier listings
Family	HP VXI M-module carriers
Documentation Type	OEM E2251A listing
Brand Lineage	Hewlett Packard Agilent Keysight
System Role	VXI M-module carrier
Form Factor	C-size VXI module
Application Class	analog/digital/communication M-modules in VXI
Operating Temperature Class	VXI laboratory mainframe window
Year Class	HP 75000 VXI carrier family
Vendor Path	HP Agilent Keysight
Documentation Class	OEM VXI carrier catalog
Control Class	VXI register/message interface to M-modules
Bus	VXIbus
Slot Role	C-size instrument slot
Companion Role	carrier for industry M-modules
I/O Class	mezzanine M-module I/O
Operating temperature	Class: VXI laboratory mainframe window

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: VXI laboratory mainframe window
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Operating Temperature Class	VXI laboratory mainframe window
Year Class	HP 75000 VXI carrier family
Vendor Path	HP Agilent Keysight
Documentation Class	OEM VXI carrier catalog
Control Class	VXI register/message interface to M-modules
Bus	VXIbus
Slot Role	C-size instrument slot
Companion Role	carrier for industry M-modules
I/O Class	mezzanine M-module I/O Notes From Agilent/HP E2251A listings (C-size VXI M-module carrier). Site count, M-module power budget, and interrupt mapping are on the E2251A hardware reference.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.