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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1407A A/B to C-Size P1/P2 Active Adapter

Mechanical Lock: C-size injector/ejector interface Documentation: E1403/E1407 adapter family manuals Limitations: no P2 local bus or P2 TTLTrg from guest Adapter function and P1-only active extender behavior from HP/Agilent E1403B/E1407A family adapter descriptions. Confirm exact E1407A wiring differences versus E1403B in the adapter manual. The HP/Agilent E1407A is a C-size adapter/carrier that allows A/B-size VXI (or VME P1) modules to operate in C-size mainframes. OEM adapter family materials (with closely related E1403B) describe an active buffered P1 extender in a metal carrier, without P2 support, for slave A/B modules in E1401/E1421 class mainframes. Reusing B-size Series Binstruments in C-size mainframes and mixed-size VXI system integration. Adapts A/B size modules into C-size slots Compatible with E1401/E1421 class mainframes



MODEL

**Agilent / Keysight
E1407A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1407A

LISTING

<https://aumictechlabs.com/products/e1407a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E1407A is an active adapter that enables A/B-size VXI modules to integrate into C-size VXI mainframes. It has fully buffered P1 and P2 connector extensions with configurable trigger signal routing and VME isolation capability. Designed as a slave-only device, the E1407A cannot occupy Slot 0 or function with bus masters, making it suitable for passive

insertion into populated C-size chassis. A ribbon cable isolates outer P2 rows for VME applications. The adapter is available in standard single-slot or optional two-slot configurations. Note: This product is obsolete and no longer available due to non-compliance with EU RoHS directive 2011/65/EU; Keysight provides service and support through end-of-life.

Technical Specifications

Module Type:	Active Adapter
Size Compatibility:	Adapts A/B-size VXI modules to C-size VXI mainframes
Slot Width:	Standard 1-slot; Option 010 provides 2-slot width (leftmost backplane connection)
Connector Support:	P1 and P2, fully buffered extensions
Operational Mode:	Slave-only; cannot be used in Slot 0 or with bus masters
Multiple Unit Support:	Any number of adapters can be deployed in a single mainframe

Key Features

- Fully buffered P1 and P2 interface extensions maintain signal integrity across adaptation boundary
- Configurable TTL trigger routing (TTL0–TTL7): selectable per-line sourcing from B-size module or VXI backplane
- Configurable ECL trigger routing (ECL0/ECL1): independent direction selection per signal line
- P2 ribbon cable enables outer row isolation for VME card adaptation
- Slave architecture eliminates bus arbitration conflicts in multi-adapter configurations

Compatibility & Integration

The E1407A integrates legacy A/B-size VXI instrumentation into modern C-size chassis without requiring redesign. Trigger line switches provide per-signal flexibility for mixed-topology systems. While many VME cards can mechanically and electrically adapt through the E1407A, such configurations are unsupported. SUMBUS handling requires external ribbon cable and jumper configuration; no inherent SUMBUS buffering is provided.

E1407A Characteristics / Specifications

PARAMETER	VALUE
Adapter Role	A/B toCsize module carrier
Host Mainframe Size	C
Guest Module Size	A orBBackplane Support: P1 only
P2 Support	not supported
Buffering	active P1 extender
Slot Zero Support	not for slot 0/commander cards
Guest Card Role	P1 slave cards
Related Adapter	E1403B
Typical Host Mainframes	E1401A/B E1421A/B
Form Factor	C-size carrier
Slots Occupied In Host	1
Extraction	pull ring/extraction hardware
VXI Compliance Path	extends guest module P1 signals
Operating Temperature Class	0 to 55 C mainframe environment
Cooling	uses host mainframe airflow
Power Path	passes host slot power to guest
Interrupt Acknowledge	P1 IACK path through extender
Bus Grant	P1 grant path through extender
Mechanical Lock	C-size injector/ejector interface
Use Case	SeriesBcards in SeriesCchassis
Documentation	E1403/E1407 adapter family manuals
Limitations	no P2 local bus or P2 TTLTrg from guest
Operating temperature	Class: 0 to 55 C mainframe environment

General Specifications & Supplementary Characteristics

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Limitations	no P2 local bus or P2 TTLTrg from guest Notes Adapter function and P1-only active extender behavior from HP/Agilent E1403B/E1407A family adapter descriptions. Confirm exact E1407A wiring differences versus E1403B in the adapter manual.

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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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.