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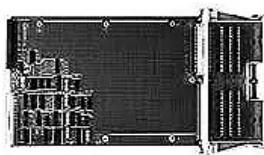
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E1490C

HP Agilent E1490CCSize VXI Breadboard Module The HP E1490C isaC-size VXI breadboard/prototype module, the later revision of E1490A. OEM C-size accessory catalogs list E1490-series breadboards for custom circuitry with user access to VXI P1/P2 in E1401/E1421 mainframes. Custom VXI instrument prototyping and one-off interfaces. Instrument Type: C-size VXI breadboard / prototype module The HP E1490C isaC-size VXI breadboard/prototype module, the later revision of E1490A. OEM C-size accessory catalogs list E1490-series breadboards for custom circuitry with user access to VXI P1/P2 in E1401/E1421 mainframes. Custom VXI instrument prototyping and one-off interfaces. Instrument Type: C-size VXI breadboard / prototype module Default Mainframes: E1401/E1421 class C-size



MODEL

**Agilent / Keysight
E1490C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1490C

LISTING

<https://aumictechlabs.com/products/e1490c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E1490C is a C-size, single-slot VXI breadboard module that enables integration of custom circuitry within VXI systems. This register-based device provides a 16-bit A16/D16 backplane interface with built-in register support, Programmable Array Logic (PAL) ICs, and extensive PC board real estate for user-defined components. The module operates across Local Bus A, Local Bus C, TTL Trigger Bus, and ECL Trigger Bus within the VXI architecture. Technical Specifications Module Type: C-size, 1-slot register-based VXI device

Backplane Interface: VXI A16/D16 register-based; supports VXIbus System Specification Revision 1.4 Power Consumption: +5 V (IPM) 0.350 A; all other supplies 0 A Thermal Dissipation: 2.00 W/slot; airflow requirement 0.08 liter/s per watt Connectors: P1/P2 standard VXI backplaneKey Features Register-based interface with built-in module status and control registers Programmable Array Logic (PAL) ICs included for logic customization Majority of board space available for custom user circuitry Addressing expansion capability to A24 or A32 via user-added components (VMEbus/VXIbus compliant) QUIC terminal block for straightforward signal connections Full compliance with VXIbus System Specification Revision 1.4Typical Applications The E1490C is a development platform for custom VXI instrumentation, digital logic integration, and specialized signal conditioning within modular test systems. Its open architecture supports prototyping of application-specific register-based modules.Compatibility & Integration Designed for direct integration into VXI mainframes via standard backplane connectivity. The module interfaces with VXIbus-compliant chassis and supports both TTL and ECL trigger distribution networks. Custom addressing extensions maintain full adherence to VMEbus and VXIbus specifications.

E1490C Characteristics / Specifications

PARAMETER	VALUE
Model	E1490C
Instrument Type	C-size VXI breadboard / prototype module
Module Size	C
Slots Occupied	1
Connectors	P1/P2
Product Family	E149x C-size breadboards
Related Prior	E1490A
Related BSize	E1399A
Default Mainframes	E1401/E1421 class C-size
Vxi Device Type	user defined register based class
Logical Address	switch selectable class
Operating Temperature Class	0 to 55 C mainframe ambient
Power Rails Available	VXI standard rails on P1/P2
Shared Memory	none as shipped
Prototype Area	onboard breadboard region
Interrupt Capability	user wired if implemented
Local Bus Access	P2 local bus user wiring class
Trigger Bus Access	TTL/ECL user wiring class
Cooling	mainframe slot cooling
Programming	user defined
Manufacturer	HP Agilent Keysight
Brand Lineage	Hewlett Packard Agilent Keysight
Operating temperature	Class: 0 to 55 C mainframe ambient

E1490C Specifications

PARAMETER	VALUE
HP Agilent E1490C C Size VXI Breadboard Module	Overview
Applications	Custom VXI instrument prototyping and one-off interfaces.
Key Features	C-size breadboard
Logical address configurable	Fits E1401/E1421 class mainframes
Technical Specifications	Model: E1490C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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Cooling	mainframe slot cooling
Programming	user defined
Manufacturer	HP Agilent Keysight
Brand Lineage	Hewlett Packard Agilent Keysight Notes Identity from HP/Agilent E1490C VXI breadboard catalog listings. Custom circuitry limits are user-defined; no dense OEM analog table beyond form-factor/backplane access.

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	
Identity from HP/Agilent E1490C VXI breadboard catalog listings. Custom circuitry limits are user-defined; no dense OEM analog table beyond form-factor/backplane access.	

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
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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.