

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1498A V743/100 VXI Embedded Controller

Agilent E1498A V743/100 VXI Embedded Controller The Agilent/Keysight E1498A V743/100 isaC-size, 1-slot message-based VXI embedded controller with a 100 MHz PA-RISC 7100LC processor. OEM materials list HP-UX operation (9.05+), A16/A24/A32 addressing, programmable interrupt handler, single-channel DMA, 1 MB dual-ported buffer, and Series 700 workstation compatibility; 128 MB memory configurations are documented. High-performance embedded HP-UX control for VXI ATE, runtime applications, and direct backplane high-speed acquisition. The Agilent/Keysight E1498A V743/100 isaC-size, 1-slot message-based VXI embedded controller with a 100 MHz PA-RISC 7100LC processor. OEM materials list HP-UX operation (9.05+), A16/A24/A32 addressing, programmable interrupt handler, single-channel DMA, 1 MB dual-ported buffer, and Series 700 workstation compatibility; 128 MB memory configurations are documented. High-performance embedded HP-UX control for VXI ATE, runtime applications, and direct backplane high-speed acquisition. VXI Device Type: message based embedded controller



MODEL

**Agilent / Keysight
E1498A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1498A

LISTING

<https://aumictechlabs.com/products/e1498a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E1498A V743/100 is a C-size, single-slot VXI embedded controller built around the PA-RISC 7100LC processor running at 100 MHz. It delivers direct VXI backplane integration with HP-UX operating system support, enabling measurement system control within a compact form factor. This controller combines on-board graphics, configurable memory up to 128 MB, and comprehensive I/O connectivity to support demanding test automation and data acquisition tasks.

Technical Specifications

Processor & Memory PA-RISC 7100LC @ 100 MHz Main Memory: 32 MB to 128 MB configurable External Cache: 256 KB merged Dual-ported Shared Memory: 1 MB ECC SIMM RAM supported Performance Metrics MIPS: 77.7 / 121.6 MFLOPS: 24.3 / 37.8 SPECint92: 66.6 / 100.1 SPECfp92: 96.5 / 137.0 X11 Xmark93: 6.55 / 8.63

VXI Interface Addressing Modes: A16, A24, A32 Single-channel DMA for extended memory devices 1 MB dual-ported memory buffer TTL Trigger Bus support P1/P2 connectors I/O Interfaces GPIB (IEEE-488.2) RS-232C (2 ports) SCSI-2 Single-ended LAN (AUI) PS/2 Keyboard and Mouse 16-bit Audio (mono composite, speaker output) Power Consumption +5 V @ 10 A +12 V @ 0.25 A -12 V @ 0.08 A +24 V @ 0.04 A -5.2 V @ 0.56 A -2 V @ 0.48 A 59.00 W per slot Airflow: 4.70 liters/s Storage Up to 14 GB external disk capacity

Key Features On-board color graphics display Programmable interrupt handler High-speed data acquisition via dual-ported memory architecture VXI plug&play compatible drivers Full HP 9000 Series 700 workstation compatibility

Compatibility & Integration The E1498A operates under HP-UX 9.05 or later and maintains complete compatibility with other HP 9000 Series 700 workstations and controllers. VXI address space support spans all standard modes (A16, A24, A32), enabling integration with diverse instrument modules and peripheral devices within VXI chassis environments.

E1498A Characteristics / Specifications

PARAMETER	VALUE
Processor	100 MHz PA-RISC 7100LC
Controller Family	V743/100
Module Size	C
Slots Occupied	1
VXI Device Type	message based embedded controller
Operating System	HP-UX 9.05 or later
Addressing Modes	A16, A24, A32
Interrupt Handler	programmable
DMA	single channel DMA
Dual Ported Buffer	1 MB
Memory Configuration Example	128 MB
Workstation Compatibility	HP 9000 Series 700
Networking	industry standard under HP-UX
Languages	HP-UX languages and VXI software
Windowing	supported
Related Lower Model	E1497A V743
Form Factor	single slot C-size
I/O Performance	direct VXI backplane
Operating Temperature Class	0 to 55 C
Connectors	P1/P2
Use Case	development and run time VXI control
Databases	available for automated test
Documentation	V743/100 controller manuals
Operating temperature	Class: 0 to 55 C

E1498A Specifications

PARAMETER	VALUE
Agilent E1498A V743/100 VXI Embedded Controller	Overview
Key Features	100 MHz 7100LC PA-RISC CPU
Direct VXI backplane access	1 MB dual ported acquisition buffer
Technical Specifications	Processor: 100 MHz PA-RISC 7100LC
Notes	CPU, OS, addressing, DMA, buffer, and memory figures from Agilent/HP E1498A V743/100 OEM product descriptions.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C
Operating Temperature	Class: 0 to 55 C
Operating Temperature Class	0 to 55 C
Connectors	P1/P2
Use Case	development and run time VXI control
Databases	available for automated test
Documentation	V743/100 controller manuals Notes CPU, OS, addressing, DMA, buffer, and memory figures from Agilent/HP E1498A V743/100 OEM product descriptions.

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.

performance embedded HP-UX control for VXI ATE, runtime applications, and direct backplane high-speed acquisition.

Key Features

- 100 MHz 7100LC PA-RISC CPU
- Embedded HP-UX environment
- Direct VXI backplane access
- 1 MB dual ported acquisition buffer
- 128 MB memory configuration path

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Processor	100 MHz PA-RISC 7100LC
Controller Family	V743/100
Module Size	C
Slots Occupied	1
VXI Device Type	message based embedded controller
Operating System	HP-UX 9.05 or later
Addressing Modes	A16, A24, A32
Interrupt Handler	programmable
DMA	single channel DMA
Dual Ported Buffer	1 MB
Memory Configuration Example	128 MB
Workstation Compatibility	HP 9000 Series 700
Networking	industry standard under HP-UX
Languages	HP-UX languages and VXI software
Windowing	supported
Related Lower Model	E1497A V743
Form Factor	single slot C-size
I/O Performance	direct VXI backplane
Operating Temperature Class	0 to 55 C
Connectors	P1/P2
Use Case	development and run time VXI control

PARAMETER	VALUE
Databases	available for automated test
Documentation	V743/100 controller manuals

Notes

CPU, OS, addressing, DMA, buffer, and memory figures from Agilent/HP E1498A V743/100 OEM product descriptions.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

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