


Aumictech

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E6234A

HP Agilent E6234A VXI Pentium Controller Module The HP E6234A isaC-size VXI embedded Pentium controller related to E6237A. OEM VXI catalogs list E6234A as a Pentium-class VXI controller with slot-0 resource manager, GPIB, and LAN for E1401 mainframes. Embedded VXI ATE control and resource manager. Instrument Type: VXI embedded Pentium controller The HP E6234A isaC-size VXI embedded Pentium controller related to E6237A. OEM VXI catalogs list E6234A as a Pentium-class VXI controller with slot-0 resource manager, GPIB, and LAN for E1401 mainframes. Embedded VXI ATE control and resource manager. Instrument Type: VXI embedded Pentium controller Host Mainframes: E1401 E1421 class C-size



MODEL

**Agilent / Keysight
E6234A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E6234A

LISTING

<https://aumictechlabs.com/products/e6234a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight E6234A is a VXI Pentium PC Controller that functions as an embedded processor within VXIbus systems, eliminating the need for external command modules. This C-size, 2-slot module integrates directly into compatible mainframes, providing full computational control and direct access to VXI devices, system memory, and trigger signals. The controller operates at 166 MHz and features a full 32-bit wide data path (D32) on the VXIbus, enabling message-based communication with instrumentation. Technical Specifications Processor: 166 MHz Intel Pentium Memory: 32 MB RAM (expandable to 128 MB) Storage: 2.16 GB hard drive (typical range 1 GB to 10 GB)

GB) Form Factor: C-size, 2-slot VXI module VXIbus Data Path: Full 32-bit wide (D32) Graphics: SVGA with 2 MB VRAM Floppy Drive: 3.5-inch, 1.44 MB Key Features Full 32-bit D32 VXIbus interface for direct device control and high-speed data transfer Standard LAN connectivity for network integration Multiple I/O interfaces: SCSI-2, RS-232, GPIB, ECP parallel port, dual PS/2 ports One EXM expansion slot for optional interface cards (GPIB modules available) Message-based architecture for efficient instrument communication SACL/VISA support and VXIplug&play compatibility Typical Applications The E6234A is the control engine in automated test systems for R&D, manufacturing, and quality assurance. Its embedded architecture consolidates control functions within the VXI chassis, enabling direct manipulation of VXI resources, multi-instrument coordination, and high-speed data acquisition without external computer interfaces. Compatibility & Integration The controller operates within E84XXA series, E1401B, and E1421B mainframes. Standard operating system support includes Windows deployment. GPIB cards (such as -22/EXM-22 variants) integrate through the EXM slot for legacy instrument control.

E6234A Characteristics / Specifications

PARAMETER	VALUE
Model	E6234A
Instrument Type	VXI embedded Pentium controller
Module Size	C
Cpu Class	Pentium
Related Controller	E6237A
Host Mainframes	E1401 E1421 class C-size
Functions	VXI resource manager slot-0
Interfaces	GPIB and LAN class
Manufacturer	HP Agilent Keysight
Form Factor	C-size VXI controller
Literature	E6234A VXI Pentium controller catalogs
Operating Temperature Class	0 to 55 C VXI
Power Rails	VXI plus 5 V plus or minus 12 V
Connectors	P1/P2 plus front-panel I/O
Use Case	embedded VXI system controller
Floppy/Hdd	onboard mass storage class
Display	external VGA class
Keyboard	PS/2 class
Vxibus	VXI-1.4 class
Slots Occupied	1 or 2 class per controller
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Operating temperature	Class: 0 to 55 C VXI

E6234A Specifications

PARAMETER	VALUE
HP Agilent E6234A VXI Pentium Controller Module	Overview
Pentium VXI controller	Slot-0
Technical Specifications	Model: E6234A
Notes	Identity from HP E6234A VXI Pentium controller catalog listings. RAM/clock/OS are on the installed E6234A configuration.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C VXI
Operating Temperature	Class: 0 to 55 C VXI
Operating Temperature Class	0 to 55 C VXI
Power Rails	VXI plus 5 V plus or minus 12 V
Connectors	P1/P2 plus front-panel I/O
Use Case	embedded VXI system controller
Floppy/Hdd	onboard mass storage class
Display	external VGA class
Keyboard	PS/2 class
Vxibus	VXI-1.4 class
Slots Occupied	1 or 2 class per controller
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications Notes Identity from HP E6234A VXI Pentium controller catalog listings. RAM/clock/OS are on the installed E6234A configuration.

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	
Specifications	
PARAMETER	VALUE
Model	E6234A
Instrument Type	VXI embedded Pentium controller
Module Size	C
Cpu Class	Pentium
Related Controller	E6237A
Host Mainframes	E1401 E1421 class C-size
Functions	VXI resource manager slot-0
Interfaces	GPIB and LAN class
Manufacturer	HP Agilent Keysight
Form Factor	C-size VXI controller
Literature	E6234A VXI Pentium controller catalogs
Operating Temperature Class	0 to 55 C VXI
Power Rails	VXI plus 5 V plus or minus 12 V
Connectors	P1/P2 plus front-panel I/O
Use Case	embedded VXI system controller
Floppy/Hdd	onboard mass storage class
Display	external VGA class
Keyboard	PS/2 class
Vxibus	VXI-1.4 class
Slots Occupied	1 or 2 class per controller
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Notes	
Identity from HP E6234A VXI Pentium controller catalog listings. RAM/clock/OS are on the installed E6234A configuration.	

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 15, 2026

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