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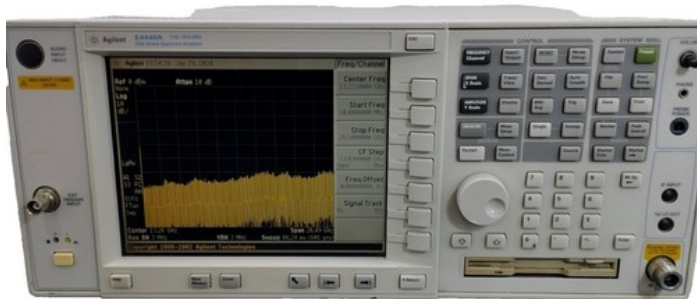
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E6237A

HP Agilent E6237A VXI Pentium Controller Module The HP E6237A isaC-size VXI embedded Pentium controller. OEM VXI controller catalogs list E6237A/E6234A as Pentium-class VXI slot-0/embedded controllers with GPIB, LAN, and VXI Resource Manager functions for E1401 mainframes. Embedded control of VXI ATE without an external PC, including slot-0 resource manager. Windows/HP-UX class OS options of the era The HP E6237A isaC-size VXI embedded Pentium controller. OEM VXI controller catalogs list E6237A/E6234A as Pentium-class VXI slot-0/embedded controllers with GPIB, LAN, and VXI Resource Manager functions for E1401 mainframes. Embedded control of VXI ATE without an external PC, including slot-0 resource manager. Windows/HP-UX class OS options of the era Instrument Type: VXI embedded Pentium controller



MODEL

**Agilent / Keysight
E6237A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E6237A

LISTING

<https://aumictechlabs.com/products/e6237a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E6237A is a C-size, 2-slot VXI controller module that is a real-time, message-based system controller for VXI mainframe integration. It has direct computer access to VXI devices, system memory, and triggers without requiring a separate command module. The E6237A features a full 32-bit wide data path (D32) on the VXIbus for maximum throughput and includes one EXM expansion slot for optional interface cards. Technical Specifications Processor & Memory 166 MHz Intel Pentium processor 32 MB RAM, upgradeable via standard SODIMMs 2.16

GB internal 2.5" notebook-style hard drive with 3.5" floppy drive Operating System & Software LynxOS real-time operating system Deterministic interrupt latency: 400 μ sec Optional bundled development software includes LynxOS PosixWorks with TotalView debugger and TimeScan performance analyzer, plus Agilent SICL/C-SCPI development tools on CD-ROM Interface Connectivity VXIbus: Full D32 (32-bit) data path LAN: Standard connection for alternative data paths SCSI-2 interface RS-232 serial port ECP parallel port SVGA video output with 2 MB VRAM Two PS/2 ports

Key Features Message-based, real-time controller architecture eliminates dedicated command module requirement Single EXM expansion slot enables custom interface integration Standard LAN connection provides flexible system connectivity Supports Agilent SICL I/O library and C-SCPI instrument command language Memory upgradeable using standard SODIMM modules

Storage Considerations The 2.16 GB internal drive is configured for low-usage operation. Continuous disk read/writes exceeding once per minute may cause premature failure. High-frequency storage applications require external SCSI hard drives or VXI disk modules such as the E3249B.

Compatibility & Integration The E6237A integrates with all Agilent C-size mainframe chassis. Dual optional licensing packages support both development (Option 001) and run-time environments (Option 002), enabling flexible deployment in production and development workflows.

E6237A Characteristics / Specifications

PARAMETER	VALUE
Model	E6237A
Instrument Type	VXI embedded Pentium controller
Module Size	C
Cpu Class	Pentium
Related Controller	E6234A
Host Mainframes	E1401 E1421 class C-size
Functions	VXI resource manager slot-0
Interfaces	GPIO and LAN class
Manufacturer	HP Agilent Keysight
Form Factor	C-size VXI controller
Literature	E6237A 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
Slots Occupied	1 or 2 class per controller
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
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Operating temperature	Class: 0 to 55 C VXI

E6237A Specifications

PARAMETER	VALUE
HP Agilent E6237A VXI Pentium Controller Module	Overview
Applications	Embedded control of VXI ATE without an external PC, including slot-0 resource manager.
Pentium embedded VXI controller	Slot-0 / resource manager
Technical Specifications	Model: E6237A
Notes	Identity from HP E6237A VXI Pentium controller catalog listings. Clock speed, RAM, and OS are on the E6237A option/configuration label.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C VXI
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Display	external VGA class
Keyboard	PS/2 class
Vxibus	VXI-1.4 class
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications Notes Identity from HP E6237A VXI Pentium controller catalog listings. Clock speed, RAM, and OS are on the E6237A option/configuration label.

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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Instrument Type	VXI embedded Pentium controller
Module Size	C
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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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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.