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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP E6235A VXI Pentium PC Controller

HP Agilent E6235A VXI Pentium PC Controller The HP/Agilent E6235A isaC-size VXI embedded Pentium PC controller providing Slot 0/resource-manager functions and a PC operating environment in the VXI cage. Used instead of (or with) an E1406A GPIB command module when a Windows/PC controller in the mainframe is desired. Related E6234A is another VXI Pentium controller in the family. Embedded VXI system controller; Slot 0 PC in C-size mainframes; running VXI plug-and-play software in the cage. The HP/Agilent E6235A isaC-size VXI embedded Pentium PC controller providing Slot 0/resource-manager functions and a PC operating environment in the VXI cage. Used instead of (or with) an E1406A GPIB command module when a Windows/PC controller in the mainframe is desired. Related E6234A is another VXI Pentium controller in the family. Embedded VXI system controller; Slot 0 PC in C-size mainframes; running VXI plug-and-play software in the cage.

**MODEL****Keysight / Agilent /
HP E6235A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****E6235A****LISTING**<https://aumictechlabs.com/products/e6235a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight/Agilent/HP E6235A is a C-size, 2-slot VXI Pentium PC controller that embeds a standard PC environment directly within VXI mainframe architectures. It eliminates the need for external command modules by providing integrated computer access to VXI devices, system

memory, and trigger signals. The controller features a 32-bit wide VXIbus data path and delivers full peripheral connectivity for test system integration. Technical Specifications Processor: Intel Pentium, 200 MHz Memory: 16 MB to 128 MB RAM Storage: 1 GB to 10 GB hard drive; 1.44 MB floppy drive Data Path: 32-bit wide VXIbus access Form Factor: C-size, 2-slot module Key Features Direct VXIbus integration via 32-bit data path eliminates external controller dependency Standard PC architecture supports Windows NT and VXIplug&play-compliant software Comprehensive I/O: PS/2 keyboard and mouse, serial (COM), USB, Ethernet, VGA monitor, SCSI, and parallel (LPT) ports HP-22/EXM-22 GPIB card typically installed for instrumentation control Single additional EXM slot allows custom interface expansion Integrated 1.44 MB floppy drive for legacy boot and data transfer Compatibility & Integration Compatible with E84XX, E1401B, and E1421B VXI mainframe series Supports SICL/VISA and VXIplug&play standards for instrument driver integration Native Windows NT environment simplifies software deployment and maintenance VXIbus architecture enables seamless communication with other C-size and 1/3-size modules within the same chassis The E6235A consolidates controller, processor, and connectivity into a single VXI module, reducing system footprint while maintaining full access to mainframe resources and external instrumentation networks.

Features & description

From manufacturer datasheet

Features

- Pentium-class embedded PC in VXI

E6235A Characteristics / Specifications

PARAMETER	VALUE
Model	E6235A
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	VXI Pentium PC Controller
Alias	E6235A; HP E6235A; Agilent E6235A
CPU Class	Pentium
VXI Size	C-size
Slot	yes (PC controller / resource manager)
Host OS	PC operating system of the controller generation (confirm installed)
Related E6234A	VXI Pentium PC controller sibling
Related E1406A	GPIB command module (no embedded PC)
Related E4806A	embedded PC controller (this catalog)
Host	C-size VXI mainframe
Peripherals	keyboard/mouse/video class on controller faceplate
Interfaces	Ethernet/GPIB/USB era-dependent
Memory	DRAM population on controller
Storage	onboard disk/flash of the era (E3249A isaseparate SCSI disk module)
VXI Buses	Slot 0 CLK10 TTL/ECL triggers
Form	embedded computer module (multi-slot possible; confirm)
Power	VXI backplane high current
Cooling	VXI high-airflow slots
Status	HP E6235A EOL
NotADigitizer	controller
Not E14	that is mainframe/rack kit
Software	VXI plug and play on the embedded PC
BIOS	PC BIOS

PARAMETER

VALUE

Watchdog

controller family Notes VXi Pentium PC controller identity from HP/Agilent E6235A literature. CPU speed RAM and slot-count are configuration labels on the module: read the faceplate. High backplane current: confirm mainframe power budget (0950-3704/E1401B high-power supplies in this catalog).

E6235A Specifications

PARAMETER	VALUE
HP Agilent E6235A VXI Pentium PC Controller	Overview
Applications	Embedded VXI system controller; Slot 0 PC in C-size mainframes; running VXI plug-and-play software in the cage.
Technical Specifications	Model: E6235A

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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Alias	E6235A; HP E6235A; Agilent E6235A
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Specifications

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Watchdog: controller family

Notes

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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.