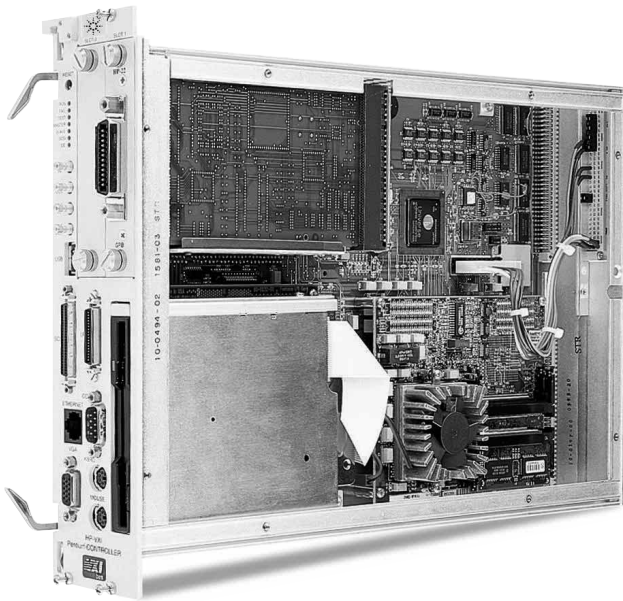


# Agilent E6235A VXI Pentium® PC Controller - 200 MHz/32 MB

## Data Sheet

- 2-Slot, C-size, message-based
- 200 MHz Intel Pentium® MMX Processor
- SICL/VISA support
- Upgrade memory using standard SODIMMS
- VXI *plug&play*-compatible with Windows NT
- Additional I/O interfaces available



Agilent E6235A

### Description

The Agilent E6235A is a C-size, 2-slot, message-based, PC controller and can be used in either the Agilent E84XX series, the E1401B, or the E1421B Mainframe. Embedding the controller in the VXI chassis allows direct computer access of other VXI devices, system memory, and triggers as though they were part of the controller hardware. Therefore, you don't need a separate command module.

The E6235A accesses the VXIbus with a full 32-bit wide data path (D32) for highest performance. A LAN connection is standard for network connectivity. It has one additional EXM slot for inclusion of an additional interface that can be ordered separately.

This product includes a 200 MHz processor, 2.16 GB disk, 3.5" floppy drive, 32 MB RAM, SCSI-2, RS-232, GPIB, ECP parallel port, SVGA I/F with 2 MB VRAM, two PS-2 ports, and one EXM expansion slot.

**Note:** This product uses a notebook-style 2.5" hard drive intended for low-usage operation. Applications that require frequent (more than once per minute) disk read/writes continuously over long periods may cause premature failure of the hard disk. For these applications, you should consider using an external SCSI hard drive, either a standalone drive or a VXI disk module such as the E3249B.

Refer to the Agilent Technologies Website for instrument driver availability and downloading instructions, as well as for recent product updates, if applicable.

## Product Specifications

<b>Processor:</b>	Intel Pentium® MMX
<b>Clock speed:</b>	200 MHz
<b>Main memory:</b>	32-128 MB
<b>Standard built-in interfaces:</b>	Two PS-2 ports SVGA w/2 MB Video RAM RS-232 LAN GPIB ECP Parallel SCSI-2 USB Trigger I/O Clock I/O
<b>Additional interfaces:</b>	GPIB 2-channel RS-232 Thick/thin LAN
<b>Available slots:</b>	1 EXM
<b>Graphics support:</b>	Color 640 x 480 800 x 600 1024 x 768 1280 x 1024
<b>Internal mass storage:</b>	2.16 GB Hard Drive 3.5-in. Floppy Drive
<b>O.S. (earliest supported):</b>	Windows NT 4.0

## Environmental Specifications

<b>EMC specifications:</b>	Meets CISPR 11, 1990/EN 55011 (1991): Group 1, Class A
<b>Shock:</b>	
<b>Operating:</b>	30 g 11 ms, half sine pulse
<b>Non-operating:</b>	50 g 11 ms, half sine pulse
<b>Vibration:</b>	
<b>Operating:</b>	2.5 g acceleration over 5-300 Hz sine wave (P-P), 1 oct/min sine sweep
<b>Non-operating:</b>	5 g acceleration over 5-300 Hz sine wave (P-P), 1 oct/min sine sweep
<b>Environmental-temperature:</b>	
<b>Operating:</b>	5 to 43 °C derated 2 °C per 1000 ft (300 m) over 6600 ft (2000 m)
<b>Non-operating:</b>	-40 to 65 °C (HDD limits)
<b>Environmental-max. altitude:</b>	
<b>Operating:</b>	10,000 ft (3,000 m)
<b>Non-operating:</b>	40,000 ft (12,000 m)
<b>Environmental-rel. humidity:</b>	
<b>Operating:</b>	8 - 90% non-condensing
<b>Non-operating:</b>	5 - 95% non-condensing

## General Specifications

### VXI Characteristics

<b>VXI device type:</b>	Message-based controller
<b>Size:</b>	C
<b>Slots:</b>	2
<b>Connectors:</b>	P1/P2
<b>Shared memory:</b>	n/a
<b>VXI busses:</b>	TTL Trigger Bus ECL Trigger Bus
<b>C-size compatibility:</b>	n/a

### Cooling/Slot

<b>Watts/slot:</b>	29
<b>ΔP mm H<sub>2</sub>O:</b>	0.14
<b>Air flow liter/s:</b>	5.6

### Module Current

	I <sub>PM</sub> (A)	I <sub>DM</sub> (A)
<b>+5 V:</b>	11 A	0.02 A
<b>+12 V:</b>	40.2 mA	0.01 A
<b>-12 V:</b>	2.4 mA	0.01 A
<b>+24 V:</b>	0	0
<b>-24 V:</b>	0	0
<b>-5.2 V:</b>	335 mA	0.001 A
<b>-2 V:</b>	120 mA	0.006 A

## Ordering Information

Description	Product No.
VXI Pentium® MMX PC Controller - 200 MHz/32 MB	E6235A
Mini Cable Adapter for Printers	E6235A 003
16 Mbytes Additional RAM	E6245A
32 Mbytes Additional RAM	E6246A
Additional AUI/ThinLAN/10baseT Interface	RADIS-00724
Additional GPIB Interface	RADIS-00848
Additional 2-Channel RS-232 Interface	RADIS-00849

## Related Literature

*2000 Test System and VXI Catalog CD-ROM*,  
Agilent Pub. No. 5980-0308E (detailed specifications for VXI products)

*2000 Test System and VXI Catalog*,  
Agilent Pub. No. 5980-0307E (overview of VXI products )

*1998 Test System and VXI Products Data Book*,  
Agilent Pub. No. 5966-2812E

## Online

Internet access for Agilent product information, services and support  
[www.agilent.com/find/tmdir](http://www.agilent.com/find/tmdir)

VXI product information  
[www.agilent.com/find/vxi](http://www.agilent.com/find/vxi)

Defense Electronics Applications  
[www.agilent.com/find/defense\\_ATE](http://www.agilent.com/find/defense_ATE)

Agilent Technologies VXI Channel Partners  
[www.agilent.com/find/vxichanpart](http://www.agilent.com/find/vxichanpart)

Agilent Technologies' HP VEE Application Website  
[www.agilent.com/find/vee](http://www.agilent.com/find/vee)

Agilent Technologies Data Acquisition and Control Website  
[www.agilent.com/find/data\\_acq](http://www.agilent.com/find/data_acq)

Agilent Technologies Instrument Driver Downloads  
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