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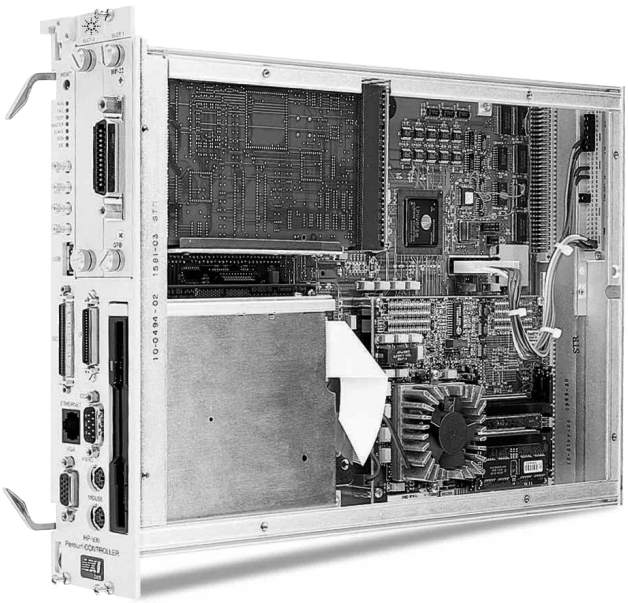
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Agilent E6235A
VXI Pentium® PC Controller - 200 MHz/32 MB

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.

Agilent Technologies

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Product Specifications

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

Environmental Specifications

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

General Specifications

VXI Characteristics

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

Cooling/Slot

Watts/slot:	29
ΔP mm H_2O:	0.14
Air flow liter/s:	5.6

Module Current

	I_{PM} (A)	I_{DM} (A)
+5 V:	11 A	0.02 A
+12 V:	40.2 mA	0.01 A
–12 V:	2.4 mA	0.01 A
+24 V:	0	0
–24 V:	0	0
–5.2 V:	335 mA	0.001 A
–2 V:	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

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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

VXI product information
www.agilent.com/find/vxi

Defense Electronics Applications
www.agilent.com/find/defense_ATE

Agilent Technologies VXI Channel Partners
www.agilent.com/find/vxichanpart

Agilent Technologies' HP VEE Application Website
www.agilent.com/find/vee

Agilent Technologies Data Acquisition and Control Website
www.agilent.com/find/data_acq

Agilent Technologies Instrument Driver Downloads
www.agilent.com/find/inst_drivers

Agilent Technologies Electronics Manufacturing Test Solutions
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