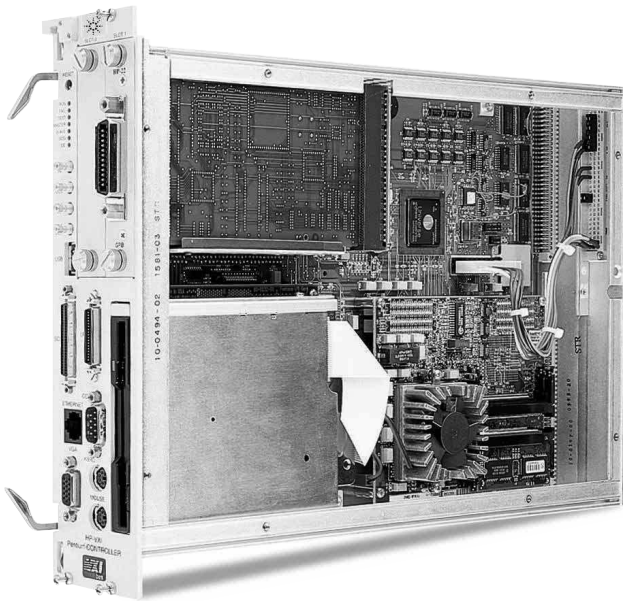


Agilent E6235A VXI Pentium® PC Controller - 200 MHz/32 MB

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

| | |
|--------------------------------------|---|
| 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 H₂O: | 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 |

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
www.agilent.com/go/manufacturing

Get assistance with all your test and measurement needs at
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