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Find the *National Instruments VXIpc-650B/233* at our website: ***Click HERE***

B-Size Embedded Pentium MMX VXIbus Controllers

VXIpc-600B Series

- VXI*plug&play* compliant
- Intel Pentium MMX
  - 233 MHz – VXIpc-650/233
  - 166 MHz – VXIpc-650/166
- High-performance peripherals
  - 10/100BaseT Ethernet
  - UW-SCSI
  - GPIB (IEEE 488.2)
  - USB
  - Enhanced IDE hard drive
  - SuperVGA
- 128 MB SDRAM maximum

Driver Software
- NI-VXI/NI-VISA
  - Windows NT/9x
- NI-488.2
  - Windows NT/9x

Application Software
- LabVIEW
- Measurement Studio



INFO CODES
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vxipc650

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Overview

The National Instruments VXIpc-600B Series of high-performance, two-slot, B-size embedded VXI controllers uses state-of-the-art technology and packaging to create fully PC-compatible computers for VXI systems. When used with the VXI-1200 FlexFrame, the VXIpc-600B Series provides a powerful, yet cost-effective solution for VXI control.

The two VXIpc-600B Series models – the VXIpc-650B/233 and VXIpc-650B/166 – are identical except for the processor. The VXIpc-650B/233 incorporates a 233 MHz Pentium MMX and the VXIpc-650B/166 a 166 MHz Pentium MMX. The VXIpc-600B Series package is small, rugged, and ideal for VXI systems. We ship the VXIpc-600B Series with 16 or 32 MB of RAM installed, and it can hold a maximum of 128 MB.

Embedded Pentium MMX VMEbus Controllers

VMEpc-600B Series

- Intel Pentium MMX
  - 233 MHz – VMEpc-650/233
  - 166 MHz – VMEpc-650/166
- High-performance peripherals
  - 10/100BaseT Ethernet
  - UW-SCSI
  - GPIB (IEEE 488.2)
  - USB
  - Enhanced IDE hard drive
  - SuperVGA
- 128 MB SDRAM maximum

Driver Software
- NI-VXI/NI-VISA
  - Windows NT/9x
- NI-488.2 for
  - Windows NT/9x

Application Software
- LabVIEW
- Measurement Studio



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vmepc650

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Overview

The National Instruments VMEpc-600B Series of high-performance, two-slot, 6U embedded controllers uses state-of-the-art technology and packaging to create fully PC-compatible controllers for VME systems. The VMEpc-600B Series uses the PCI bus as the direct connection to the VMEbus. The integrated PCI bus design of the VMEpc-600B Series features built-in PCI-based peripherals, such as 10/100BaseT Ethernet, UW-SCSI, and SuperVGA video.

The VMEpc-600B Series can directly access VME registers, memory, and interrupts while maintaining compatibility with the different software packages and tools available for desktop PC computers. We ship the VMEpc-600B Series with 32 MB of RAM installed, and it can hold a maximum of 128 MB.

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Single-Slot Low-Cost Embedded VXIbus Controllers

VXIpc-74x

- VXI*plug&play* compliant
- Low-cost, single-slot, C-size
- 100 MHz 486 microprocessor
- 64 MB RAM maximum

Driver Software

- NI-VXI/NI-VISA
  - Windows NT/9x/3.1
  - VxWorks
- NI-VXI
  - Windows 3.1/DOS
- NI-488.2 for
  - Windows NT/9x
  - Windows 3.1/DOS

Application Software

- LabVIEW
- Measurement Studio



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vxipc740
vxipc745

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Overview

The National Instruments VXIpc-74x consists of low-cost, single-slot, C-size embedded VXI computers that use state-of-the-art technology and packaging to create fully PC-compatible controllers for VXI systems. These computers use an integrated local bus design centered on the high-performance PCI bus. The VXIpc-74x uses the PCI local bus as the direct connection to the VXIbus, as well as the primary connection to its peripheral devices, such as the Super VGA video, PC Cards (PCMCIA), and the enhanced IDE hard drive. By using the PCI bus and our advanced ASIC technology, the VXIpc-74x achieves superior VXI and PC performance levels.

VXI and VME Interfaces for PXI/CompactPCI

VXI-PXI80xx, VME-PXI80xx

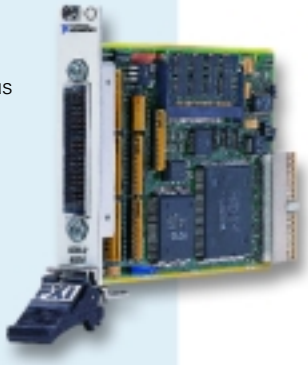
- VXI*plug&play* compliant
- Complete interface to VXI from any PXI or CompactPCI chassis
- Direct trigger and interrupt control
- High-performance DMA transfers using the MITE ASIC
- Maximum throughput across MXIbus
  - 33 Mbytes/s burst
  - 23 Mbytes/s sustained
- Optional dual-ported DRAM expansion
- Expandable to several VXI or VME mainframes using MXIbus

Driver Software

- NI-VXI/NI-VISA
  - Windows 2000/NT/Me/9x
  - Solaris
  - Linux

ApplicationSoftware

- LabVIEW
- Measurement Studio



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vxipxi8000
vmepxi8012
vmepxi8015

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Overview

The National Instruments VXI-PXI80xx or VME-PXI80xx links any PXI or CompactPCI system directly to the VXIbus or VMEbus, respectively, using a high-speed MXI-2 link. A PXI or CompactPCI system equipped with a VXI-PXI80xx operates as if it were plugged directly into a VXI backplane, giving your external PXI system the capability of an embedded VXI computer. By using a PXI or CompactPCI chassis to control VXI or VME, you can build systems that use all the best features of each bus architecture.

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