

VXI and VME MXI-2 Interface Kits for PXI/CompactPCI

VXI-PXI8000 Series, VME-PXI8000 Series

VXIplug&play compliant
 Complete interface to VXI or VME from PXI or CompactPCI
 Uses standard MXIbus with high-performance MXI-2 connectors and cables
 VXI Slot 0 capability including Resource Manager
 Word serial (message-based) communication
 Register-based communication
 High-speed DMA block transfers from VXIbus memory to PXI controller memory
 Direct VXI trigger and interrupt control
 Direct access to VXI and VME memory space

Maximum throughput across MXIbus
 33 Mbytes/s burst
 23 Mbytes/s sustained
 DRAM expansion up to 64 MB dual-ported

NI-VXI/VISA Software

Windows NT
 Windows 98
 Windows 95

Application Software

LabVIEW
 LabWindows/CVI



Overview

The VXI-PXI8000 Series or VME-PXI8000 Series links any PXI or CompactPCI system directly to the VXIbus or VMEbus, respectively, using high speed MXI-2 link. A PXI or Compact PCI system equipped with a VXI-PXI8000 Series kit operates as though 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 leverage off all the best features of each bus architecture.

The VXI-PXI8000 and VME-PXI8000 Series kits come with all you need for interfacing PXI or CompactPCI to VXI or VME. The VXI-PXI8000 Series kits come complete with a PXI-8320, VXI-MXI-2, 2 m MXI-2 cable, and software for Windows NT or Windows 95. Similarly, the VME-PXI8000 Series kits include a PXI-8320, VME-MXI-2, 2 m MXI-2 cable, and Windows NT/98/95 software. Memory options are available for all modules. The PXI-8320 is also available as a board-only kit requiring you to purchase a VXI-MXI-2 or VME-MXI-2 separately.

Please refer to pages 57-59 for more information on VXI-MXI-2 and VME-MXI-2 modules and to the VXI-PCI8000 series descriptions in the VXI section on pages 42-45 for detailed hardware and software descriptions.

Ordering Information

Kits include one PXI-8320, one C-size VXI-MXI-2 or VME-MXI-2 module, NI-VXI/VISA software for the specified operating system, documentation, and a flexible MXI-2 cable (optional).

VXIbus Interface Kits for PXI

VXI-PXI8015 (Windows NT)	
with 2 m cable.....	777589-02
without cable.....	777589-32
VXI-PXI8012 (Windows 95)	
with 2 m cable.....	777589-03
without cable.....	777589-3

VMEbus Interface Kits for PXI

VME-PXI8015 (Windows NT)	
with 2 m cable.....	777590-02
without cable.....	777590-32
VME-PXI8012 (Windows 95)	
with 2 m cable.....	777590-03
without cable.....	777590-33

PXI-8320 MXI-2 Interface Module	777573-01
DRAM Options	
4 MB	920129-04
16 MB	920129-16