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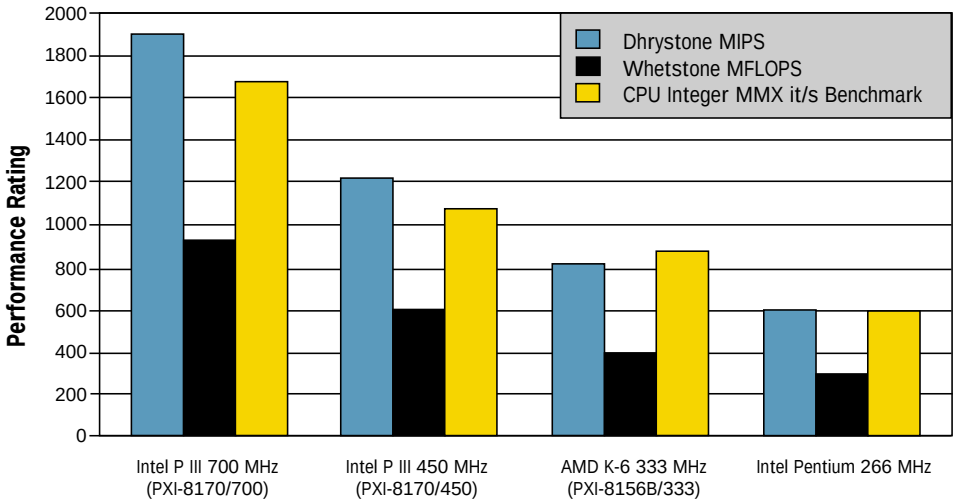
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Find the *National Instruments PXI-8170* at our website: *Click HERE*

Highest Performance 3U Controller Available Today

To meet the growing needs of PXI and CompactPCI users, National Instruments introduces a series of embedded PXI/CompactPCI computers featuring Intel Pentium III processors for maximum computing power and faster system performance.

The high-performance PXI-8170 Series controllers package the latest 700 MHz and 450 MHz Intel processors into the compact 3U Eurocard size. The controllers operate with all PXI and CompactPCI peripheral modules and are available with Windows 98 or Windows NT installed. PXI-8170 controllers are also available with preloaded National Instruments application software, including LabVIEW and LabWindows/CVI.



The Dhrystone is a synthetic benchmark program intended to be representative for system (integer) programming. The Whetstone benchmark is a synthetic benchmark program, intended to be representative for numerical (floating-point intensive) programming.

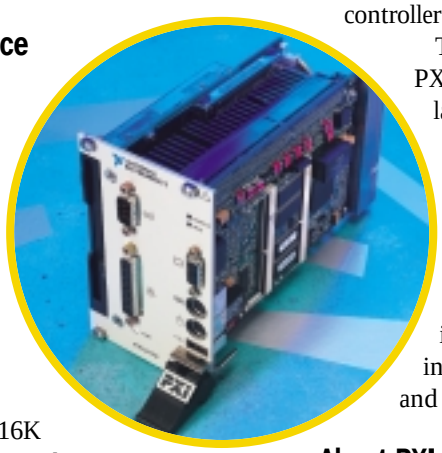
High-Performance Processor

The pioneering mechanical design of the PXI-8170 Series features an Intel high-performance Pentium III microprocessor with an Intel BX chipset in a 3U PXI/CompactPCI controller. Users can order these controllers complete with integrated AGP video, 64 MB of 100 MHz SDRAM (upgradable to 256 MB), standard floppy drive, ultra DMA33 hard drive, USB, keyboard/mouse ports, and serial/parallel ports. Intel's 700 MHz Pentium III processor powers the PXI-8170/700. The lower cost PXI-8170/450 uses a 450 MHz Pentium III processor. The PXI-8170 Series controllers also have integrated LCD drive capability for National Instruments PXI chassis with built-in video displays (model PXI-1020).

Twice the Performance

The PXI-8170 Series controllers deliver more than twice the overall computing performance of National Instruments PXI-8156B Series controllers. The Pentium III processor features a true 32-bit internal architecture, MMX technology, 16K/16K nonblocking Level 1 cache, and an integrated 512 K Level 2 (450 MHz version) cache or 256 K of advanced transfer cache (700 MHz version). The chart illustrates the relative processor performance of the PXI-8156B and PXI-8170 embedded controller series using industry-standard benchmarks.

Integrating the full size Pentium III cartridge into the 3U controller was challenging, but now users can build smaller measurement and automation systems without sacrificing performance. National Instruments PXI-8170 Series controller delivers the highest performance 3U PXI/CompactPCI controller available today.



The high-performance PXI-8170 brings the latest PC technology to the modular instrumentation PXI architecture while freeing up your benchtop space because you can integrate your instruments, fixturing, and PC in a single chassis.

PXI-8170 Options

Characteristic	PXI-8170
CPU	450 MHz Intel Pentium III
	700 MHz Intel Pentium III
Peripherals	1 Serial port
	1 Parallel port
	1 USB port
	PS/2 keyboard connector
	PS/2 mouse connector
	4 GB hard drive, minimum
	3.5 in. 1.44 MB floppy drive
	Super VGA with 2 MB DRAM
DRAM	256 MB with upgrades
Operating System	Windows 2000/NT/9x
Pre-Loaded Application Software	LabVIEW or LabWindows/CVI

About PXI Systems Alliance

The PXI specification is an open industry standard that extends CompactPCI for measurement and automation systems. The PXI Systems Alliance has more than 50 member companies. PXI – a superset of CompactPCI – ensures complete interoperability between PXI and CompactPCI, making available the use of hundreds of CompactPCI modules in PXI systems.

For more information on PXI and the PXI Systems Alliance, visit www.ni.com/pxi

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