Hewlett-Packard Company
ProLiant BL460c
(2.66 GHz, Intel Xeon processor X5355)

spec

SPECint_rate2006 = 82.2
SPECint_rate_base2006 = 79.6

CPU2006 license: 3
Test sponsor: Hewlett-Packard Company
Tested by: Hewlett-Packard Company

Test date: Feb-2007
Hardware Availability: Jan-2007
Software Availability: Nov-2006

400.perlbench
410.bzip2
403.gcc
429.mcf
445.gobmk
456.hmmer
458.sjeng
462.libquantum
464.h264ref
471.omnetpp
473.astar
483.xalancbmk

Copies
8
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SPECint_rate_base2006 = 79.6;
SPECint_rate2006 = 82.2

Hardware
CPU Name: Intel Xeon X5355
CPU Characteristics: 2.66 GHz, 2x4 MB L2 shared, 1333 MHz bus
CPU MHz: 2666
FPU: Integrated
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
CPU(s) orderable: 1.2 chips
Primary Cache: 32 KB I + 32 KB D on chip per core
Secondary Cache: 8 MB I+D on chip per chip, 4 MB shared / 2 cores
L3 Cache: None
Other Cache: None
Memory: 16 GB (8x2 GB PC2-5300F CL5)
Disk Subsystem: 2x72 GB 10 K SAS
Other Hardware: None

Software
Compiler: Intel C++ Compiler 9.1 for 32-bit apps, Build 20060323Z
Package ID: W_CC_P_9.1.020
Microsoft Visual Studio .NET 2003 (v7.1.3088, for libraries)
Auto Parallel: No
File System: NTFS
System State: Default
Base Pointers: 32-bit
Peak Pointers: 32-bit
Other Software: MicroQuill SmartHeap Library 8.0
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Results Table

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Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

Platform Notes
Power Regulator set to Static High Performance Mode in BIOS. Adjacent Sector Prefetch disabled in BIOS.

Base Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99

C++ benchmarks:
icl -Qvc7.1

Base Portability Flags
403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32

Base Optimization Flags
C benchmarks:
-fast /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

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Base Optimization Flags (Continued)
C++ benchmarks:
- fast -Qcxx_features /F512000000 shlw32m.lib
  -link /FORCE:MULTIPLE

Base Other Flags
C benchmarks:
403.gcc: -Dalloca=_alloca

Peak Compiler Invocation
C benchmarks:
icl -Qvc7.1 -Qc99
C++ benchmarks:
icl -Qvc7.1

Peak Portability Flags
403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32

Peak Optimization Flags
C benchmarks:
400.perlbench: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
  shlw32m.lib -link /FORCE:MULTIPLE
  401.bzip2: Same as 400.perlbench
  403.gcc: Same as 400.perlbench
  429.mcf: basepeak = yes
  445.gobmk: Same as 400.perlbench
  456.hmmer: Same as 400.perlbench
  458.sjeng: Same as 400.perlbench

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Peak Optimization Flags (Continued)

462.libquantum: Same as 400.perlbench

464.h264ref: Same as 400.perlbench

C++ benchmarks:
-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx_features
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

Peak Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/hp-ic91-flags.20090715.02.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/hp-ic91-flags.20090715.02.xml

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For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

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