CINT2000 Result

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Hewlett-Packard Company

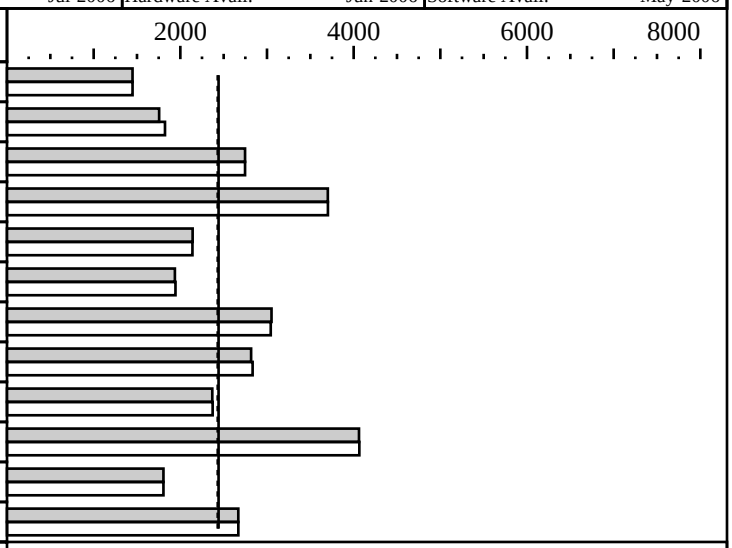
ProLiant DL380 G5 (2.33GHz, Intel Xeon processor 5140)

SPECint2000 = 2441

SPECint_base2000 = 2432

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jul-2006 | Hardware Avail: Jun-2006 | Software Avail: May-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	96.7	1448	96.6	1449
175.vpr	1400	79.8	1755	76.8	1823
176.gcc	1100	40.0	2747	40.0	2747
181.mcf	1800	48.6	3702	48.6	3703
186.crafty	1000	46.7	2142	46.7	2140
197.parser	1800	92.9	1937	92.6	1944
252.eon	1300	42.6	3052	42.7	3043
253.perlbmk	1800	63.9	2817	63.5	2834
254.gap	1100	46.4	2369	46.4	2373
255.vortex	1900	46.8	4061	46.7	4065
256.bzip2	1500	83.1	1805	83.1	1805
300.twolf	3000	112	2669	112	2669



Hardware

CPU:	Intel Xeon processor 5140 (2.33GHz, 4MB L2 shared, 1333MHz bus)
CPU MHz:	2330
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	4 MB I+D on chip per chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	16 GB (8x2048 MB PC2-5300F)
Disk Subsystem:	1x36 GB 10 K SAS
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z) Microsoft Visual Studio .NET 7.0.9466 (for libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use

Base tuning for C programs:   -fast         +FDO  ONESTEP=yes shlw32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO  ONESTEP=yes
Portability flags:
  176.gcc: -Dalloca=_alloca /F10000000
  186.crafty: -DNT_i386
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
  164.gzip:     -fast               +FDO  ONESTEP=yes
  175.vpr:      -fast               +FDO  ONESTEP=yes
  176.gcc:      basepeak=1
  181.mcf:      -fast               +FDO  ONESTEP=yes shlw32M.lib
  186.crafty:   -fast -Oa           +FDO  ONESTEP=yes shlw32M.lib
  197.parser:   -fast               +FDO  ONESTEP=yes
  252.eon:      -fast               +FDO
  253.perlbmk:  -fast -Oa           +FDO  ONESTEP=yes shlw32M.lib
  254.gap:      -fast               +FDO  ONESTEP=yes
  255.vortex:   -fast               +FDO  ONESTEP=yes shlw32M.lib
```

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Notes/Tuning Information (Continued)

```
    256.bzip2:    basepeak=1
    300.twolf:    -fast                +FDO              shlw32M.lib
  BIOS Configuration Notes
    Power Regulator set to Static High Performance Mode
```