CINT2000 Result

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Hewlett-Packard Company

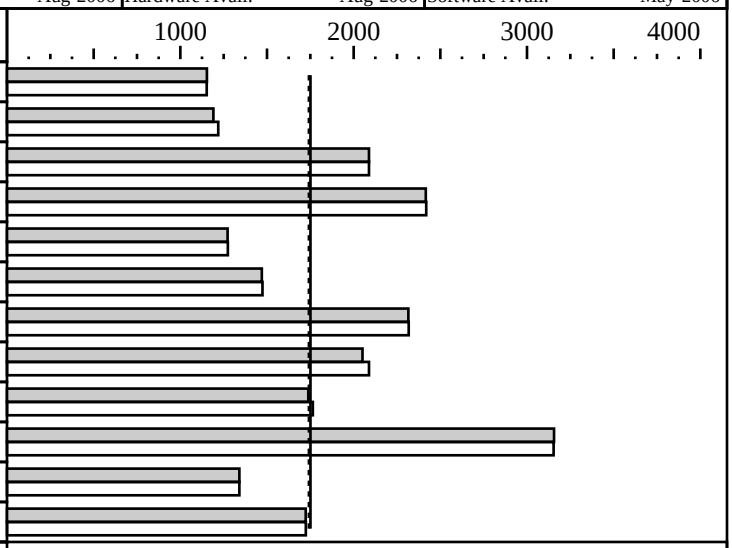
ProLiant ML570 G4 (3.4GHz, Intel Xeon processor 7140M)

SPECint2000 = 1751

SPECint_base2000 = 1742

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	121	1153	122	1152
175.vpr	1400	118	1191	115	1219
176.gcc	1100	52.7	2088	52.7	2088
181.mcf	1800	74.5	2416	74.4	2419
186.crafty	1000	78.6	1273	78.5	1274
197.parser	1800	122	1470	122	1474
252.eon	1300	56.1	2316	56.1	2318
253.perlbmk	1800	87.8	2051	86.2	2088
254.gap	1100	63.3	1738	62.3	1764
255.vortex	1900	60.2	3156	60.3	3154
256.bzip2	1500	112	1341	112	1341
300.twolf	3000	174	1723	174	1724



Hardware

CPU:	Intel Xeon processor 7140M (800MHz system bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2,4 chips
Parallel:	No
Primary Cache:	12 K I micro-ops + 16 KB D on chip per core
Secondary Cache:	1 MB I+D on chip per core
L3 Cache:	16 MB on chip per chip
Other Cache:	N/A
Memory:	32 GB (16x2048MB PC2-3200 dual-rank)
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
    Hyper-Threading Technology disabled
```