CINT2000 Result

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Hewlett-Packard Company

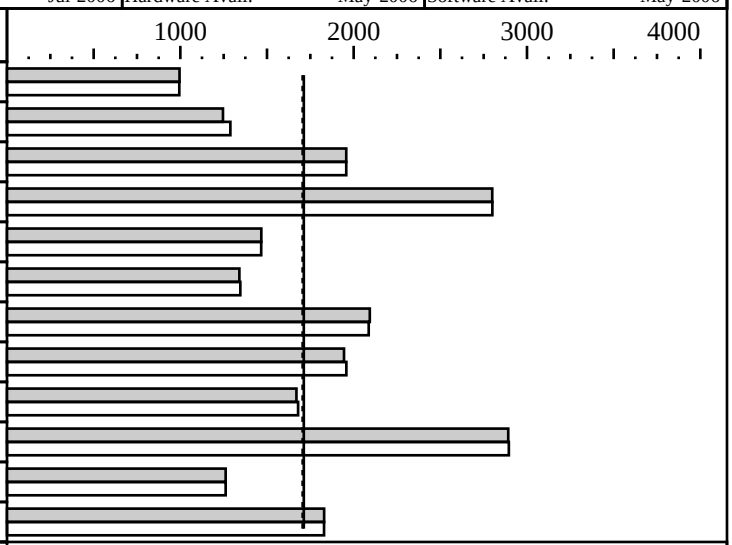
ProLiant ML350 G5 (1.6 GHz, Intel Xeon processor 5110)

SPECint2000 = 1712

SPECint_base2000 = 1706

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	141	995	141	994
175.vpr	1400	112	1246	109	1289
176.gcc	1100	56.2	1957	56.2	1957
181.mcf	1800	64.3	2800	64.3	2800
186.crafty	1000	68.2	1467	68.2	1467
197.parser	1800	134	1341	134	1346
252.eon	1300	62.1	2093	62.3	2087
253.perlbmk	1800	92.6	1944	91.9	1958
254.gap	1100	65.9	1670	65.5	1679
255.vortex	1900	65.7	2892	65.6	2895
256.bzip2	1500	119	1262	119	1262
300.twolf	3000	164	1830	164	1829



Hardware

CPU:	Intel Xeon processor 5110 (1.6 GHz, 4 MB L2 shared, 1066MHz bus)
CPU MHz:	1600
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:	8 GB (4x2048 MB PC2-5300F)
Disk Subsystem:	1x146 GB 15 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
```