CINT2000 Result

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Hewlett-Packard Company

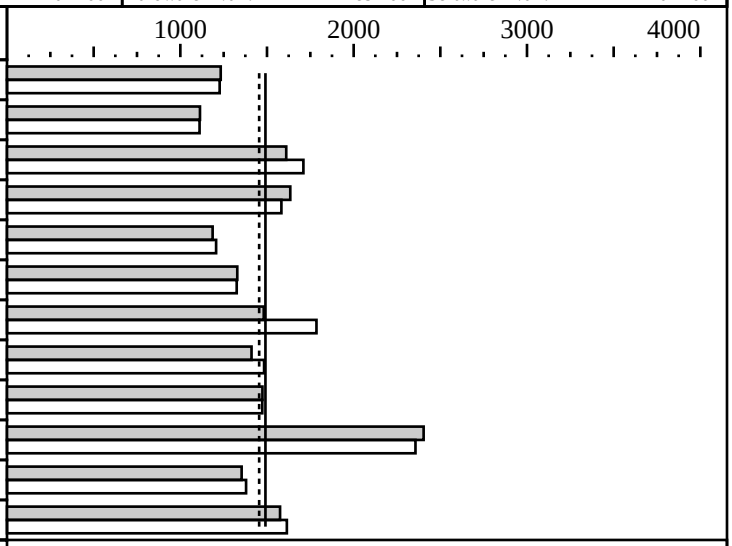
ProLiant DL580 G2 (3.0GHz, Intel Xeon MP)

SPECint2000 = 1491

SPECint_base2000 = 1455

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Mar-2004 | Hardware Avail: Feb-2004 | Software Avail: Mar-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	114	1233	114	1227
175.vpr	1400	126	1113	126	1111
176.gcc	1100	68.3	1611	64.3	1710
181.mcf	1800	110	1634	114	1583
186.crafty	1000	84.3	1186	82.9	1206
197.parser	1800	135	1329	136	1325
252.eon	1300	87.8	1481	72.8	1785
253.perlbmk	1800	128	1411	121	1483
254.gap	1100	74.6	1474	74.7	1473
255.vortex	1900	79.0	2404	80.6	2357
256.bzip2	1500	111	1354	109	1379
300.twolf	3000	190	1575	186	1615



Hardware

CPU:	Intel Xeon MP (3.0GHz, 400MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper Threading Disabled)
CPU(s) orderable:	1,2,4
Parallel:	No
Primary Cache:	12K micro-ops I + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	4096KB(I+D) on chip
Other Cache:	N/A
Memory:	16x512MB PC1600
Disk Subsystem:	2x18.2GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows 2000 Advanced Server (Build 2195 SP3)
Compiler:	Intel C++ Compiler 8.0 Build 20031211Z 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:   -QxN -Qipo -O3 +FDO ONESTEP=yes
Base tuning for C++ programs: -Qipo -GX -GR +FDO ONESTEP=yes
Portability flags:
  176.gcc: -Dalloca=_alloca /F10000000
  186.crafy: -DNT_i386
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
  164.gzip:       -QxN -Qipo -Oa -O3 +FDO ONESTEP=yes
  175.vpr:        -QxN -Qipo -O3 +FDO ONESTEP=yes
  176.gcc:        -QxN -Qipo -Oi- -O3 +FDO ONESTEP=yes
  181.mcf:        -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
  186.crafty:     -QxN -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
  197.parser:     -QxN -Qipo -O3 +FDO ONESTEP=yes
  252.eon:        -QxN -Qipo -O3 +FDO ONESTEP=yes
  253.perlbmk:    -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
  254.gap:        -QxN -Qipo -O3 +FDO ONESTEP=yes
  255.vortex:     -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
  256.bzip2:      -Qunroll1 -Oa -Qipo +FDO ONESTEP=yes
```

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Notes/Tuning Information (Continued)

```
  300.twolf:      -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
BIOS Configuration Notes
  Hyper Threading disabled
```