CINT2000 Result

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Hewlett-Packard Company

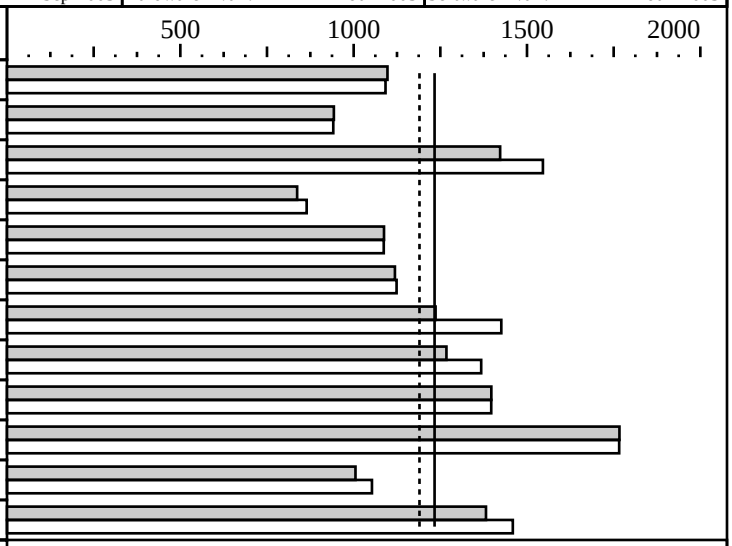
ProLiant DL580 G2(2.8GHz, Intel Xeon MP)

SPECint2000 = 1233

SPECint_base2000 = 1190

SPEC license #: 3 Tested by: Hewlett-Packard Company, Houston TX Test date: Sep-2003 Hardware Avail: Jul-2003 Software Avail: Jun-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	128	1097	128	1092
175.vpr	1400	148	943	149	941
176.gcc	1100	77.3	1423	71.2	1546
181.mcf	1800	215	837	208	864
186.crafty	1000	92.0	1088	92.0	1087
197.parser	1800	161	1119	160	1124
252.eon	1300	105	1236	91.2	1426
253.perlbmk	1800	142	1268	132	1368
254.gap	1100	78.7	1397	78.8	1397
255.vortex	1900	108	1767	108	1766
256.bzip2	1500	149	1005	142	1053
300.twolf	3000	217	1382	206	1459



Hardware

CPU:	Intel Xeon MP (2.8GHz, 400MHz bus)
CPU MHz:	2800
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:	2048KB(I+D) on chip
Other Cache:	N/A
Memory:	16x512MB PC1600
Disk Subsystem:	2x18.2GB 15K Ultra3 SCSI
Other Hardware:	

Software

Operating System:	Windows 2000 Advanced Server(Build 2195 SP3)
Compiler:	Intel C++ Compiler 7.1 Build 20030801Z Microsoft Visual Studio .NET 7.0.9466 (for libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Hyperthreading disabled in BIOS

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -QxW -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:  -QxW -Qipo -O3 +FDO ONESTEP=yes
175.vpr:  -QxW -Qipo -O3 +FDO ONESTEP=yes
176.gcc:  -QxW -Qipo -O3 -Oi- +FDO ONESTEP=yes
181.mcf:  -Oa -Qipo +FDO shlw32M.lib ONESTEP=yes
186.crafty:  -QxW -Qipo -O3 +FDO ONESTEP=yes
197.parser:  -QxW -Qipo -O3 -Oa +FDO ONESTEP=yes
252.eon: -QxW -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
253.perlbmk: -Qipo -O3 -Oa +FDO shlw32M.lib ONESTEP=yes
254.gap: -QxW -Qipo -O3 +FDO ONESTEP=yes
255.vortex: -QxW -Qipo -O3 +FDO ONESTEP=yes
256.bzip2: -Qunroll1 -Qipo -Oa +FDO ONESTEP=yes
```

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Notes/Tuning Information (Continued)

300.twolf: -QxW -Qipo -O3 -Oa +FDO shlw32M.lib ONESTEP=yes