CINT2000 Result

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Hewlett-Packard Company

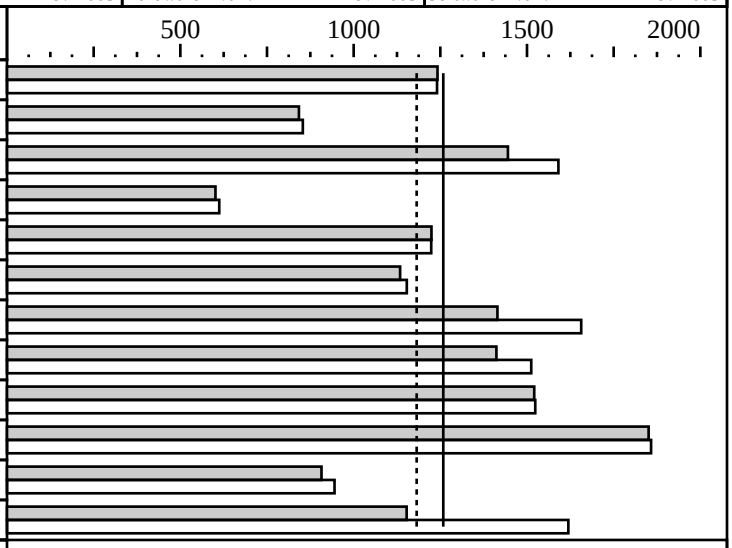
ProLiant DL140(3.2GHz/1MB L3 cache, Intel Xeon)

SPECint2000 = 1258

SPECint_base2000 = 1182

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Nov-2003 | Hardware Avail: Nov-2003 | Software Avail: Nov-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	113	1242	113	1240
175.vpr	1400	166	842	164	853
176.gcc	1100	76.1	1445	69.2	1591
181.mcf	1800	299	601	294	612
186.crafty	1000	81.7	1224	81.7	1224
197.parser	1800	159	1134	156	1153
252.eon	1300	91.9	1415	78.5	1656
253.perlbmk	1800	128	1412	119	1512
254.gap	1100	72.3	1521	72.2	1524
255.vortex	1900	103	1851	102	1858
256.bzip2	1500	165	907	159	945
300.twolf	3000	260	1153	185	1619



Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	1024KB(I+D) on chip
Other Cache:	N/A
Memory:	4x512MB PC2100
Disk Subsystem:	1x80GB ATA/100 7200 rpm
Other Hardware:	

Software

Operating System:	Windows 2000 Server(Build 2195 SP3)
Compiler:	Intel C++ Compiler 7.1 Build 20030813Z 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:   -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:  -O3 -QxW -Qipo +FDO ONESTEP=yes
  175.vpr:  -QxW -Qipo -O3 +FDO ONESTEP=yes
  176.gcc:  -QxW -Qipo -Oi- -O3 +FDO ONESTEP=yes
  181.mcf:  -Oa -Qipo +FDO shlw32M.lib ONESTEP=yes
  186.crafty:  -QxW -Qipo -O3 +FDO ONESTEP=yes
  197.parser:  -QxW -Qipo -Oa -O3 +FDO ONESTEP=yes
  252.eon: -QxW -Qipo -O3 +FDO ONESTEP=yes
  253.perlbmk: -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
  254.gap: -QxW -Qipo -O3 +FDO ONESTEP=yes
  255.vortex: -QxW -Qipo -O3 +FDO ONESTEP=yes
  256.bzip2: -Qunroll1 -Oa -Qipo +FDO ONESTEP=yes
```

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Notes/Tuning Information (Continued)

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