CINT2000 Result

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Hewlett-Packard Company

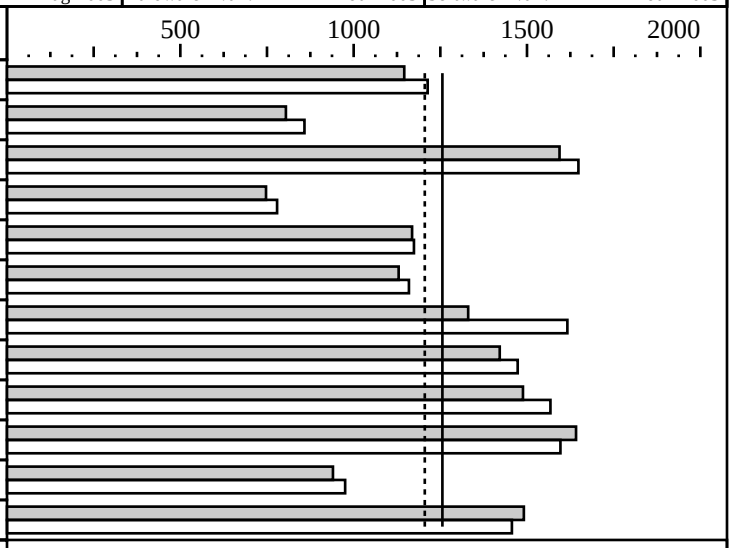
ProLiant BL20p G2 (3.06GHz/1MB L3 cache, Intel Xeon)

SPECint2000 = 1256

SPECint_base2000 = 1205

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	122	1146	115	1213
175.vpr	1400	174	805	163	858
176.gcc	1100	69.0	1594	66.7	1648
181.mcf	1800	241	747	231	779
186.crafty	1000	85.6	1169	85.2	1174
197.parser	1800	159	1130	155	1159
252.eon	1300	97.7	1330	80.4	1616
253.perlbmk	1800	127	1421	122	1473
254.gap	1100	73.9	1488	70.2	1568
255.vortex	1900	116	1641	119	1596
256.bzip2	1500	160	940	154	975
300.twolf	3000	201	1491	206	1456



Hardware

CPU:	Intel Xeon (3.06GHz, 533MHz bus)
CPU MHz:	3066
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:	2x1024MB PC2100
Disk Subsystem:	2x18.2GB 15K Ultra3 SCSI
Other Hardware:	

Software

Operating System:	Windows 2000 Server (Build 2195 SP3)
Compiler:	Intel C++ Compiler 7.1 Build 20030801Z Microsoft Visual Studio Enterprise Edition 6.0 (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 +FDO shlw32m.lib 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 shlw32M.lib 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 -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: -Qxi -Qipo +FDO shlw32M.lib ONESTEP=yes
```