CINT2000 Result

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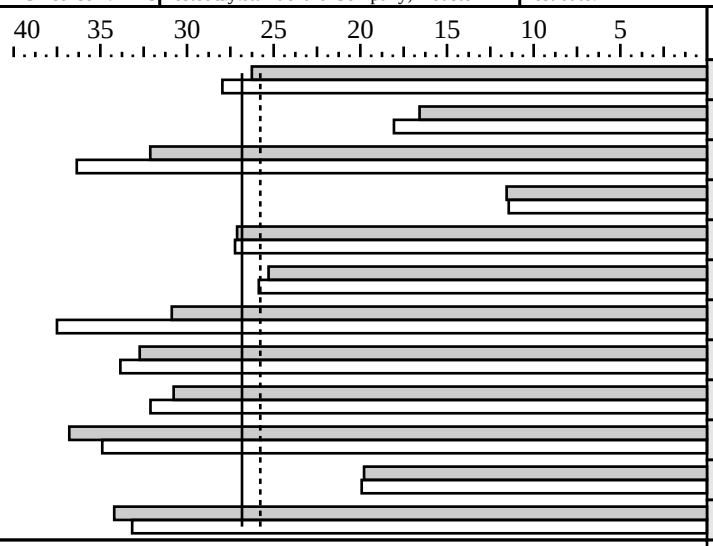
Hewlett-Packard Company

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

SPECint_rate2000 = 26.8

SPECint_rate_base2000 = 25.8

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	124	26.3	2	116	28.0
175.vpr	2	196	16.6	2	180	18.1
176.gcc	2	79.5	32.1	2	70.2	36.4
181.mcf	2	361	11.6	2	365	11.4
186.crafty	2	85.6	27.1	2	85.2	27.2
197.parser	2	165	25.3	2	162	25.9
252.eon	2	97.7	30.9	2	80.4	37.5
253.perlbmk	2	128	32.7	2	123	33.8
254.gap	2	82.9	30.8	2	79.5	32.1
255.vortex	2	120	36.8	2	126	34.9
256.bzip2	2	176	19.8	2	175	19.9
300.twolf	2	204	34.2	2	210	33.2

Hardware

CPU:	Intel Xeon (3.06GHz, 533MHz bus)
CPU MHz:	3066
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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