



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL380 G3 (3.2GHz, Intel Xeon)

SPECint_rate2000 = 33.6
SPECint_rate_base2000 = 32.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	109	29.9	2	108	30.0
175.vpr	2	136	23.9	2	135	24.0
176.gcc	2	67.5	37.8	2	62.2	41.0
181.mcf	2	178	23.5	2	175	23.8
186.crafty	2	78.8	29.4	2	77.9	29.8
197.parser	2	135	30.9	2	135	31.0
252.eon	2	82.2	36.7	2	68.4	44.1
253.perlbnk	2	128	32.7	2	116	35.9
254.gap	2	76.5	33.3	2	76.0	33.6
255.vortex	2	81.2	54.3	2	81.8	53.9
256.bzip2	2	128	27.2	2	125	27.9
300.twolf	2	177	39.3	2	174	40.0

Hardware

CPU: Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz: 3200
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (HT Technology 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: 2048KB(I+D) on chip
Other Cache: N/A
Memory: 4x512MB PC2100
Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
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.crafty: -DNT_i386
 253.perlbnk: -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.perlbnk: -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: -Qunroll11 -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
HT Technology disabled