



CINT2000 Result

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

SPECint2000 = 1534
SPECint_base2000 = 1484

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	106	1316	106	1318				
175.vpr	1400	127	1099	127	1105				
176.gcc	1100	63.6	1729	59.7	1843				
181.mcf	1800	133	1352	131	1373				
186.crafty	1000	78.7	1271	77.7	1288				
197.parser	1800	132	1361	132	1364				
252.eon	1300	82.1	1584	68.2	1905				
253.perlbnk	1800	125	1442	115	1565				
254.gap	1100	66.4	1657	66.3	1659				
255.vortex	1900	77.0	2468	78.7	2415				
256.bzip2	1500	121	1240	118	1273				
300.twolf	3000	178	1685	174	1729				

Hardware

CPU: Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz: 3200
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 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

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+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