



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL360 G3(3.2GHz/1MB L3 cache, Intel Xeon)

SPECint2000 = **1319**
SPECint_base2000 = **1245**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	500 1000 1500 2000			
164.gzip	1400	111	1260	111	1259	[Bar chart showing ratio 1259]			
175.vpr	1400	161	871	159	880	[Bar chart showing ratio 880]			
176.gcc	1100	69.2	1589	64.5	1704	[Bar chart showing ratio 1704]			
181.mcf	1800	234	770	230	783	[Bar chart showing ratio 783]			
186.crafty	1000	81.5	1227	81.6	1226	[Bar chart showing ratio 1226]			
197.parser	1800	151	1194	149	1207	[Bar chart showing ratio 1207]			
252.eon	1300	91.8	1415	78.5	1657	[Bar chart showing ratio 1657]			
253.perlbmk	1800	129	1396	118	1525	[Bar chart showing ratio 1525]			
254.gap	1100	67.8	1623	67.5	1629	[Bar chart showing ratio 1629]			
255.vortex	1900	99.1	1917	98.8	1923	[Bar chart showing ratio 1923]			
256.bzip2	1500	156	960	150	1002	[Bar chart showing ratio 1002]			
300.twolf	3000	252	1191	187	1608	[Bar chart showing ratio 1608]			

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: 2x36.4GB 15K Ultra320 SCSI
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: Hyper Threading disabled in BIOS

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.crafty: -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 shlw32M.lib 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