



CINT2000 Result

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Hewlett-Packard Company
ProLiant DL360 G4p (3.6GHz, Intel Xeon)

SPECint_rate2000 = 19.9
SPECint_rate_base2000 = 19.4

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Mar-2005 Hardware Avail: Mar-2005 Software Avail: Feb-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	117	13.9	1	117	13.9
175.vpr	1	118	13.8	1	115	14.2
176.gcc	1	54.0	23.6	1	54.0	23.6
181.mcf	1	89.4	23.4	1	89.4	23.4
186.crafty	1	74.6	15.6	1	74.6	15.6
197.parser	1	122	17.1	1	122	17.1
252.eon	1	74.0	20.4	1	60.8	24.8
253.perlbnk	1	94.4	22.1	1	93.1	22.4
254.gap	1	59.8	21.3	1	58.3	21.9
255.vortex	1	63.4	34.8	1	63.4	34.8
256.bzip2	1	117	14.8	1	116	14.9
300.twolf	1	169	20.6	1	169	20.6

Hardware

CPU: Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12K micro-ops I + 16KBD on chip
Secondary Cache: 2048KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4x2048MB PC2-3200 CL3 Dual-Rank DIMMs
Disk Subsystem: 1x3.64GB 10K U320
Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
Compiler: Intel C++ Compiler 8.1 Build 20040802Z
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
+FDO*: PASS1=-Qprof_gen PASS2=-Qprof_use (-QxP not used in PASS1 to enable cross-compilation)
Base tuning for C programs: -fast +FDO shlw32M.lib
Base tuning for C++ programs: -fast -GX -GR
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: basepeak=1
175.vpr: -fast +FDO ONESTEP=yes
176.gcc: basepeak=1
181.mcf: -fast +FDO ONESTEP=yes shlw32M.lib
186.crafty: -fast -Oa +FDO ONESTEP=yes shlw32M.lib
197.parser: -fast +FDO ONESTEP=yes
252.eon: -QxP -O2 -Qipo +FDO*
253.perlbnk: -fast -Oa +FDO ONESTEP=yes shlw32M.lib
254.gap: -fast +FDO ONESTEP=yes
255.vortex: basepeak=1
```



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Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll11 +FDO ONESTEP=yes
300.twolf: basepeak=1
BIOS Configuration Notes
Hyper-Threading Technology disabled