



CINT2000 Result

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Hewlett-Packard Company
ProLiant BL20P G4 (3.0GHz, Intel Xeon processor 5160)

SPECint_rate2000 = **61.7**
SPECint_rate_base2000 = **61.4**

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jun-2006 | Hardware Avail: Jun-2006 | Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	77.4	42.0	2	77.3	42.0
175.vpr	2	76.5	42.5	2	73.1	44.4
176.gcc	2	41.1	62.1	2	41.1	62.1
181.mcf	2	77.2	54.1	2	77.2	54.1
186.crafty	2	36.4	63.7	2	36.4	63.7
197.parser	2	83.0	50.3	2	83.0	50.3
252.eon	2	33.1	91.0	2	33.2	90.8
253.perlbnk	2	52.6	79.3	2	52.1	80.1
254.gap	2	41.9	60.9	2	41.8	61.1
255.vortex	2	45.4	97.2	2	45.4	97.1
256.bzip2	2	79.9	43.6	2	79.9	43.6
300.twolf	2	87.0	80.0	2	87.0	80.0

Hardware

CPU: Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1,2 chips
Parallel: No
Primary Cache: 32KBI + 32KBD (on chip) per core
Secondary Cache: 4096KB(I+D) (on chip) shared
L3 Cache: N/A
Other Cache: N/A
Memory: 8x1024MB PC2-5300F
Disk Subsystem: 1x36GB 10K SAS
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)
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: -fast +FDO ONESTEP=yes shlw32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +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: -fast +FDO ONESTEP=yes
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: -fast +FDO
253.perlbnk: -fast -Oa +FDO ONESTEP=yes shlw32M.lib
254.gap: -fast +FDO ONESTEP=yes
255.vortex: -fast +FDO ONESTEP=yes shlw32M.lib
256.bzip2: basepeak=1
```



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Notes/Tuning Information (Continued)

300.twolf: -fast +FDO shlw32M.lib
BIOS Configuration Notes
Power Regulator set to Static High Performance Mode
Adjacent Sector Prefetch disabled