



# CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

## Hewlett-Packard Company

ProLiant BL20P G4 (3.73GHz, Intel Xeon processor 5080)

SPECint\_rate2000 = 43.2

SPECint\_rate\_base2000 = 43.0

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	4	173	37.5	4	173	37.5
175.vpr	4	244	26.6	4	234	27.7
176.gcc	4	87.0	58.6	4	87.0	58.6
181.mcf	4	299	27.9	4	300	27.8
186.crafty	4	143	32.3	4	147	31.5
197.parser	4	199	42.1	4	197	42.4
252.eon	4	95.3	63.3	4	96.0	62.8
253.perlbnk	4	176	47.4	4	175	47.6
254.gap	4	109	46.8	4	105	48.7
255.vortex	4	128	68.7	4	128	68.7
256.bzip2	4	200	34.9	4	200	34.9
300.twolf	4	262	53.1	4	262	53.2

### Hardware

CPU: Intel Xeon processor 5080 (3.73GHz, 2x2MB L2, 1066MHz bus)  
CPU MHz: 3730  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology enabled)  
CPU(s) orderable: 1,2 chips  
Parallel: No  
Primary Cache: 12K micro-ops I + 16KBD (on chip) per core  
Secondary Cache: 2048KB(I+D) (on chip) per core  
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
```



# CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Hewlett-Packard Company  
ProLiant BL20P G4 (3.73GHz, Intel Xeon processor 5080)

SPECint\_rate2000 = 43.2  
SPECint\_rate\_base2000 = 43.0

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

## Notes/Tuning Information (Continued)

300.twolf: -fast +FDO shlw32M.lib  
BIOS Configuration Notes  
Power Regulator set to Static High Performance Mode  
Hyper-Threading Technology enabled