



CINT2000 Result

Copyright ©1999-2007, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant BL20p G4 (1.86 GHz, Intel Xeon processor E5320)

SPECint_rate2000 = **77.9**
SPECint_rate_base2000 = **77.7**

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Feb-2007 Hardware Avail: Jan-2007 Software Avail: Nov-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	125	51.9	4	125	52.0
175.vpr	4	114	56.8	4	113	57.7
176.gcc	4	58.6	87.2	4	58.6	87.2
181.mcf	4	126	66.4	4	124	67.4
186.crafty	4	58.9	78.7	4	59.0	78.6
197.parser	4	130	64.3	4	129	64.7
252.eon	4	53.6	112	4	53.5	113
253.perlbnk	4	82.9	101	4	82.6	101
254.gap	4	77.4	65.9	4	78.6	65.0
255.vortex	4	67.4	131	4	67.4	131
256.bzip2	4	121	57.4	4	121	57.4
300.twolf	4	139	100	4	139	100

Hardware

CPU: Intel Xeon processor E5320 (1.86 GHz, 2x4 MB L2 shared, 1066 MHz bus)
CPU MHz: 1860
FPU: Integrated
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip
CPU(s) orderable: 1,2 chips
Parallel: No
Primary Cache: 32 KB I + 32 KB D on chip per core
Secondary Cache: 8 MB I+D on chip per chip (4 MB shared per 2 cores)
L3 Cache: N/A
Other Cache: N/A
Memory: 16 GB (8x2 GB PC2-5300F CL5)
Disk Subsystem: 2x72 GB 10 K SAS
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise x64 Edition, SP1
Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20061103Z)
Microsoft Visual Studio .NET 2003 (v7.1.3088, for libraries)
MicroQuill Smartheap Library 8.0
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

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



CINT2000 Result

Copyright ©1999-2007, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant BL20p G4 (1.86 GHz, Intel Xeon processor E5320)

SPECint_rate2000 = 77.9
SPECint_rate_base2000 = 77.7

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Feb-2007 | Hardware Avail: Jan-2007 | Software Avail: Nov-2006

Notes/Tuning Information (Continued)

```
256.bzip2:    basepeak=1
300.twolf:    -fast                +FDO                shlw32M.lib
BIOS Configuration Notes
  Power Regulator set to Static High
  Adjacent Sector Prefetch disabled
Other Configuration Notes
  The start /b /wait /affinity command is used to bind CPU(s) to processes.
```