



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant DL360 G3 (3.2GHz/2MB L3 cache, Intel Xeon)

SPECint_rate2000 = 34.0
SPECint_rate_base2000 = 32.8

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Apr-2004 Hardware Avail: Feb-2004 Software Avail: Feb-2004

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|-------------|-------------|--------------|------------|--------|---------|-------|
| 164.gzip | 2 | 108 | 30.2 | 2 | 108 | 30.1 |
| 175.vpr | 2 | 133 | 24.4 | 2 | 133 | 24.4 |
| 176.gcc | 2 | 66.4 | 38.4 | 2 | 61.5 | 41.5 |
| 181.mcf | 2 | 169 | 24.8 | 2 | 167 | 25.0 |
| 186.crafty | 2 | 78.4 | 29.6 | 2 | 77.4 | 30.0 |
| 197.parser | 2 | 134 | 31.2 | 2 | 134 | 31.2 |
| 252.eon | 2 | 81.9 | 36.8 | 2 | 68.1 | 44.3 |
| 253.perlbnk | 2 | 127 | 32.9 | 2 | 116 | 36.0 |
| 254.gap | 2 | 75.1 | 34.0 | 2 | 75.1 | 34.0 |
| 255.vortex | 2 | 80.9 | 54.5 | 2 | 81.7 | 54.0 |
| 256.bzip2 | 2 | 127 | 27.5 | 2 | 123 | 28.2 |
| 300.twolf | 2 | 178 | 39.1 | 2 | 173 | 40.2 |

Hardware

CPU: Intel Xeon (3.2GHz, 533MHz bus)
 CPU MHz: 3200
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (HT Technology 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: 2048KB(I+D) on chip
 Other Cache: N/A
 Memory: 4x512MB PC2100
 Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI
 Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
 Compiler: Intel C++ Compiler 8.0 Build 20031211Z
 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: -QxN -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.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
 254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: -QxN -Qipo -Oa -O3 +FDO ONESTEP=yes
175.vpr: -QxN -Qipo -O3 +FDO ONESTEP=yes
176.gcc: -QxN -Qipo -Oi- -O3 +FDO ONESTEP=yes
181.mcf: -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
186.crafty: -QxN -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
197.parser: -QxN -Qipo -O3 +FDO ONESTEP=yes
252.eon: -QxN -Qipo -O3 +FDO ONESTEP=yes
253.perlbnk: -Qipo -Oa -O3 +FDO shlw32M.lib ONESTEP=yes
254.gap: -QxN -Qipo -O3 +FDO ONESTEP=yes
255.vortex: -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
256.bzip2: -Qunroll11 -Oa -Qipo +FDO ONESTEP=yes
```



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant DL360 G3 (3.2GHz/2MB L3 cache, Intel Xeon)

SPECint_rate2000 = 34.0
SPECint_rate_base2000 = 32.8

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Apr-2004 | Hardware Avail: Feb-2004 | Software Avail: Feb-2004

Notes/Tuning Information (Continued)

300.twolf: -QxN -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
BIOS Configuration Notes
HT Technology disabled