



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant DL580 G2(2.8GHz, Intel Xeon MP)

SPECint2000 = 1233
SPECint_base2000 = 1190

SPEC license #: 3 Test date: Sep-2003 Hardware Avail: Jul-2003 Software Avail: Jun-2003

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | 500 1000 1500 2000 | | | |
|-------------|----------------|--------------|------------|---------|-------|--------------------------------|--|--|--|
| 164.gzip | 1400 | 128 | 1097 | 128 | 1092 | [Bar chart showing ratio 1092] | | | |
| 175.vpr | 1400 | 148 | 943 | 149 | 941 | [Bar chart showing ratio 941] | | | |
| 176.gcc | 1100 | 77.3 | 1423 | 71.2 | 1546 | [Bar chart showing ratio 1546] | | | |
| 181.mcf | 1800 | 215 | 837 | 208 | 864 | [Bar chart showing ratio 864] | | | |
| 186.crafty | 1000 | 92.0 | 1088 | 92.0 | 1087 | [Bar chart showing ratio 1087] | | | |
| 197.parser | 1800 | 161 | 1119 | 160 | 1124 | [Bar chart showing ratio 1124] | | | |
| 252.eon | 1300 | 105 | 1236 | 91.2 | 1426 | [Bar chart showing ratio 1426] | | | |
| 253.perlbmk | 1800 | 142 | 1268 | 132 | 1368 | [Bar chart showing ratio 1368] | | | |
| 254.gap | 1100 | 78.7 | 1397 | 78.8 | 1397 | [Bar chart showing ratio 1397] | | | |
| 255.vortex | 1900 | 108 | 1767 | 108 | 1766 | [Bar chart showing ratio 1766] | | | |
| 256.bzip2 | 1500 | 149 | 1005 | 142 | 1053 | [Bar chart showing ratio 1053] | | | |
| 300.twolf | 3000 | 217 | 1382 | 206 | 1459 | [Bar chart showing ratio 1459] | | | |

Hardware

CPU: Intel Xeon MP (2.8GHz, 400MHz bus)
 CPU MHz: 2800
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading disabled)
 CPU(s) orderable: 1,2,4
 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: 16x512MB PC1600
 Disk Subsystem: 2x18.2GB 15K Ultra3 SCSI
 Other Hardware:

Software

Operating System: Windows 2000 Advanced Server(Build 2195 SP3)
 Compiler: Intel C++ Compiler 7.1 Build 20030801Z
 Microsoft Visual Studio .NET 7.0.9466 (for libraries)
 MicroQuill Smartheap Library 7.0
 File System: NTFS
 System State: Hyperthreading disabled in BIOS

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -QxW -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.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: -QxW -Qipo -O3 +FDO ONESTEP=yes
175.vpr: -QxW -Qipo -O3 +FDO ONESTEP=yes
176.gcc: -QxW -Qipo -O3 -Oi- +FDO ONESTEP=yes
181.mcf: -Oa -Qipo +FDO shlw32M.lib ONESTEP=yes
186.crafty: -QxW -Qipo -O3 +FDO ONESTEP=yes
197.parser: -QxW -Qipo -O3 -Oa +FDO ONESTEP=yes
252.eon: -QxW -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
253.perlbmk: -Qipo -O3 -Oa +FDO shlw32M.lib ONESTEP=yes
254.gap: -QxW -Qipo -O3 +FDO ONESTEP=yes
255.vortex: -QxW -Qipo -O3 +FDO ONESTEP=yes
256.bzip2: -Qunroll1 -Qipo -Oa +FDO ONESTEP=yes
```



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant DL580 G2(2.8GHz, Intel Xeon MP)

| | |
|--------------------|------|
| SPECint2000 = | 1233 |
| SPECint_base2000 = | 1190 |

| | | | | | | | | | |
|-----------------|---|------------|-------------------------------------|------------|----------|-----------------|----------|-----------------|----------|
| SPEC license #: | 3 | Tested by: | Hewlett-Packard Company, Houston TX | Test date: | Sep-2003 | Hardware Avail: | Jul-2003 | Software Avail: | Jun-2003 |
|-----------------|---|------------|-------------------------------------|------------|----------|-----------------|----------|-----------------|----------|

Notes/Tuning Information (Continued)

300.twolf: -QxW -Qipo -O3 -Oa +FDO shlw32M.lib ONESTEP=yes