



CINT2000 Result

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Hewlett-Packard Company
ProLiant BL20p G3 (3.6GHz, Intel Xeon)

SPECint2000 = 1543
SPECint_base2000 = 1510

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | 1000 2000 3000 4000 | | | |
|-------------|----------------|--------------|------------|---------|-------|---------------------|--|--|--|
| 164.gzip | 1400 | 117 | 1201 | 118 | 1191 | [Bar chart] | | | |
| 175.vpr | 1400 | 146 | 958 | 141 | 992 | [Bar chart] | | | |
| 176.gcc | 1100 | 59.1 | 1860 | 59.1 | 1860 | [Bar chart] | | | |
| 181.mcf | 1800 | 143 | 1261 | 142 | 1264 | [Bar chart] | | | |
| 186.crafty | 1000 | 75.0 | 1334 | 74.9 | 1336 | [Bar chart] | | | |
| 197.parser | 1800 | 133 | 1349 | 133 | 1351 | [Bar chart] | | | |
| 252.eon | 1300 | 73.5 | 1768 | 60.4 | 2151 | [Bar chart] | | | |
| 253.perlbnk | 1800 | 96.8 | 1859 | 96.1 | 1872 | [Bar chart] | | | |
| 254.gap | 1100 | 60.8 | 1809 | 59.5 | 1849 | [Bar chart] | | | |
| 255.vortex | 1900 | 71.5 | 2657 | 71.5 | 2657 | [Bar chart] | | | |
| 256.bzip2 | 1500 | 141 | 1062 | 140 | 1069 | [Bar chart] | | | |
| 300.twolf | 3000 | 173 | 1730 | 174 | 1726 | [Bar chart] | | | |

Hardware

CPU: Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HT Technology disabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12K micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4x2048MB PC3200 CL3.0
Disk Subsystem: 1x72.8GB 15K U320
Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
Compiler: Intel C++ Compiler 8.1 Build 20040802Z
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: -QxP -fast +FDO shlw32M.lib
Base tuning for C++ programs: -QxP -fast -GX -GR
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: -QxP -fast -Oa +FDO ONESTEP=yes
 175.vpr: -QxP -fast +FDO ONESTEP=yes
 176.gcc: basepeak=1
 181.mcf: -QxP -fast +FDO ONESTEP=yes shlw32M.lib
 186.crafty: -QxP -fast -Oa +FDO ONESTEP=yes shlw32M.lib
 197.parser: -QxP -fast +FDO ONESTEP=yes
 252.eon: -QxP -O2 -Qipo +FDO ONESTEP=yes
 253.perlbnk: -fast -Oa +FDO ONESTEP=yes shlw32M.lib
 254.gap: -QxP -fast +FDO ONESTEP=yes
 255.vortex: -QxP -fast +FDO ONESTEP=yes shlw32M.lib
 256.bzip2: -fast -Oa -Qunroll11 +FDO ONESTEP=yes
```



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| | | | | | | | | | |
|-----------------|---|------------|-------------------------|------------|----------|-----------------|----------|-----------------|----------|
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|-----------------|---|------------|-------------------------|------------|----------|-----------------|----------|-----------------|----------|

Notes/Tuning Information (Continued)

300.twolf: -QxP -fast +FDO shlw32M.lib
BIOS Configuration Notes
HT Technology disabled