## CINT2000 Result

**Hewlett-Packard Company**

**hp workstation zx6000 (1000 MHz, Itanium 2)**

**SPECint2000 = --**

**SPECint_base2000 = 807**

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Reference Time</th>
<th>Base Runtime</th>
<th>Base Ratio</th>
<th>Runtime</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>164.gzip</td>
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<td>240</td>
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<td>175.vpr</td>
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<tr>
<td>176.gcc</td>
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<td>108</td>
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<tr>
<td>181.mcf</td>
<td>1800</td>
<td>219</td>
<td>822</td>
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<tr>
<td>186.crafty</td>
<td>1000</td>
<td>128</td>
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<td>197.parser</td>
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<td>273</td>
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<td>253.perlbmk</td>
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<td>256.bzip2</td>
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<td>879</td>
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</tbody>
</table>

### Hardware
- CPU: Intel Itanium 2
- CPU MHz: 1000
- FPU: Integrated
- CPU(s) enabled: 1 core, 1 chip, 1 core/chip
- Parallel: no
- Primary Cache: 16KBI + 16KBD (on chip) per CPU
- Secondary Cache: 256KB (on chip) per CPU
- L3 Cache: 3.0MB (on chip) per CPU
- Other Cache: N/A
- Memory: 6GB (12 * 512MB DIMMs)
- Disk Subsystem: 1x36GB SCSI disk
- Other Hardware: N/A

### Software
- Operating System: HPUX11i-TCOE B.11.22
- Compiler: HP C/ANSI C Compiler B.11.22
- HP aC++ Compiler B.11.22
- PHSS_27286: C product
- PHSS_27284: C++ product
- PHSS_27285: C++ library
- PHSS_27287: U2comp
- PHSS_27288: Linker
- PHSS_27291: PBO
- PHSS_27293: milli.a
- Caliper v2.1 www.hp.com/go/caliper
- File System: VxFS
- System State: Multi-user

### Notes/Tuning Information

**Portability Flags:**
- 176.gcc : -DHOST_WORDS_BIG_ENDIAN
- 181.mcf : -DWANT_STDCC_PROTO
- 186.crafty: -DHP
- 252.eon : -I. -DFMAX_IS_DOUBLE -DNDEBUG
- 253.perlbmk: -DSPEC_CPU2000_HP
- 254.gap : -DSPEC_CPU2000_HP -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO -DSYS_HAS_MALLOC_PROTO

**Base Flags:**
- all : +Oprofile=collect/+Oprofile=use
- C : +Ofaster -exec -W1,-aarchive_shared
- C++ : +Ofaster +inline_level 2 -minshared

**Kernel Tunables:**
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SPECint_base2000 = 807

Notes/Tuning Information (Continued)

maxdsiz 0x7b03a000
maxdsiz_64bit 0x040000000000
maxssiz 0x10000000
maxssiz_64bit 0x40000000
vps_ceiling 16384
vpspagesize 4096
swapmem_on 0
dbc_max_pct 20
dbc_min_pct 20

Note:
EFI shell utility 'cpuconfig' used
to deconfigure other processors