CINT2000 Result

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Hewlett-Packard Company

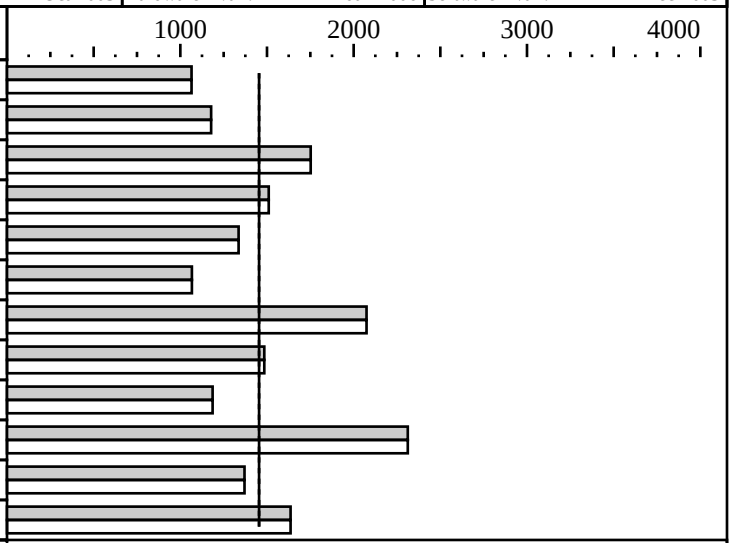
HP Integrity BL60p (1.6GHz/3MB Itanium 2)

SPECint2000 = 1454

SPECint_base2000 = 1454

SPEC license #: 3 | Tested by: HP Richardson | Test date: Oct-2005 | Hardware Avail: Jan-2006 | Software Avail: Dec-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	131	1065	131	1065
175.vpr	1400	119	1178	119	1178
176.gcc	1100	62.8	1752	62.8	1752
181.mcf	1800	119	1510	119	1510
186.crafty	1000	74.8	1336	74.8	1336
197.parser	1800	169	1067	169	1067
252.eon	1300	62.7	2074	62.7	2074
253.perlbmk	1800	121	1484	121	1484
254.gap	1100	92.7	1186	92.7	1186
255.vortex	1900	82.2	2312	82.2	2312
256.bzip2	1500	109	1370	109	1370
300.twolf	3000	183	1636	183	1636



Hardware

CPU:	Intel Itanium 2 (1.6GHz/3MB, 400MHz FSB)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1,2
Parallel:	no
Primary Cache:	16KBI + 16KBD on chip, per core
Secondary Cache:	256KB (I+D) on chip, per core
L3 Cache:	3.0MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	8GB (4x2GB DIMMs)
Disk Subsystem:	1x73GB 15K SCSI
Other Hardware:	N/A

Software

Operating System:	HP-UX 11i v2, TCOE (version 11.23.0512)
Compiler:	HP C/ANSI C Compiler A.06.05 HP aC++ Compiler A.06.05
File System:	vxfs
System State:	Multi-user

Notes/Tuning Information

```
Portability Flags
176.gcc     : -DHOST_WORDS_BIG_ENDIAN
186.crafty  : -DHP
252.eon     : -DFMAX_IS_DOUBLE
253.perlbmk : -DSPEC_CPU2000_HP
254.gap     : -DSPEC_CPU2000_HP -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO
              -DSYS_HAS_TIME_PROTO -DSYS_HAS_CALLOC_PROTO

Base Flags
  all       : +Oprofile=collect:all/+Oprofile=use
  C         : +Ofaster -exec +Otype_safety=ansi
  C++       : +Ofaster +Otype_safety=ansi

Peak Flags
  same as base (basepeak=true set globally)

Kernel Tunables:
  dbc_max_pct=20
  dbc_min_pct=20
  maxdsiz=3221225472
```

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Notes/Tuning Information (Continued)

```
    maxssiz=401604608
    maxdsiz_64bit=4396972761584
    maxssiz_64bit=1073741824
    vps_pagesize=4096
    vps_ceiling=16384

  Notes:

    The system had the HP-UX 11i v2, Technical Computing Operating
    Environment (TCOE), December, 2005 installed, along with the
    AR0509 compilers and the following patches:

    PHSS_33350 aC++ Runtime A.06.05
    PHSS_33351 Math Library Cumulative Patch
    PHSS_33352 Integrity Unwind Library
    PHSS_33357 milli cumulative patch

    EFI command "cpuconfig" used prior to booting to
    deconfigure processors if necessary
```