CINT2000 Result

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Hewlett-Packard Company

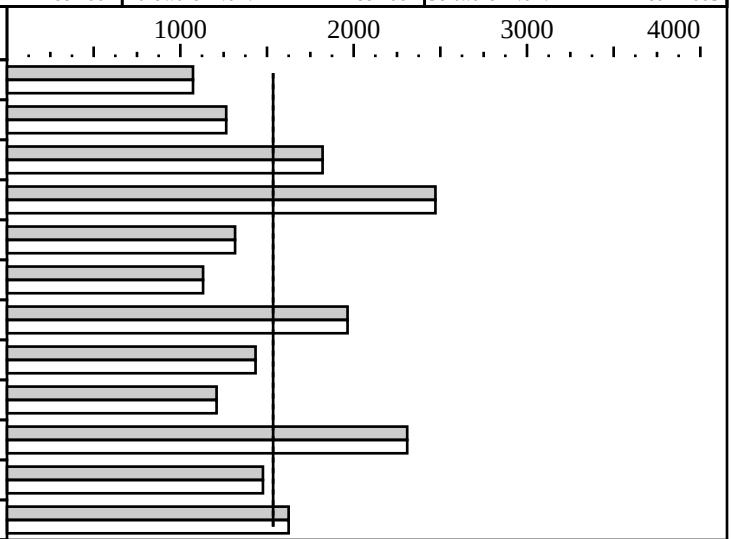
HP Integrity rx2620-2 (1.6GHz/6MB Itanium 2)

SPECint2000 = 1535

SPECint_base2000 = 1535

SPEC license #: 3 | Tested by: HP Richardson | Test date: Dec-2004 | Hardware Avail: Dec-2004 | Software Avail: Jan-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	130	1073	130	1073
175.vpr	1400	111	1265	111	1265
176.gcc	1100	60.4	1821	60.4	1821
181.mcf	1800	72.8	2472	72.8	2472
186.crafty	1000	76.0	1316	76.0	1316
197.parser	1800	159	1131	159	1131
252.eon	1300	66.2	1965	66.2	1965
253.perlbmk	1800	126	1434	126	1434
254.gap	1100	91.0	1209	91.0	1209
255.vortex	1900	82.3	2309	82.3	2309
256.bzip2	1500	102	1477	102	1477
300.twolf	3000	185	1625	185	1625



Hardware

CPU:	Intel Itanium 2 (1.6GHz/6MB, 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:	6.0MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	24GB (12x2GB DIMMs)
Disk Subsystem:	1x146GB 15K SCSI
Other Hardware:	N/A

Software

Operating System:	HPUX11i-TCOE B.11.23.0409
Compiler:	HP C/ANSI C Compiler C.06.00 HP aC++ Compiler C.06.00
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 under test had the HP-UX 11i v2 (version 11.23.0409,
  September, 2004) Technical Computing Operating Environment and
  AR1204 compilers installed, along with the following patches:

  PHSS_31849 linker + fdp cumulative patch
  PHSS_31850 assembler patch
  PHSS_31851 Integrity Unwind Library
  PHSS_31852 aC++ Runtime (IA: A.05.60, PA A.03.60)
  PHSS_31853 Math Library Cumulative Patch
  PHSS_31854 milli cumulative patch

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