CINT2000 Result

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Hewlett-Packard Company

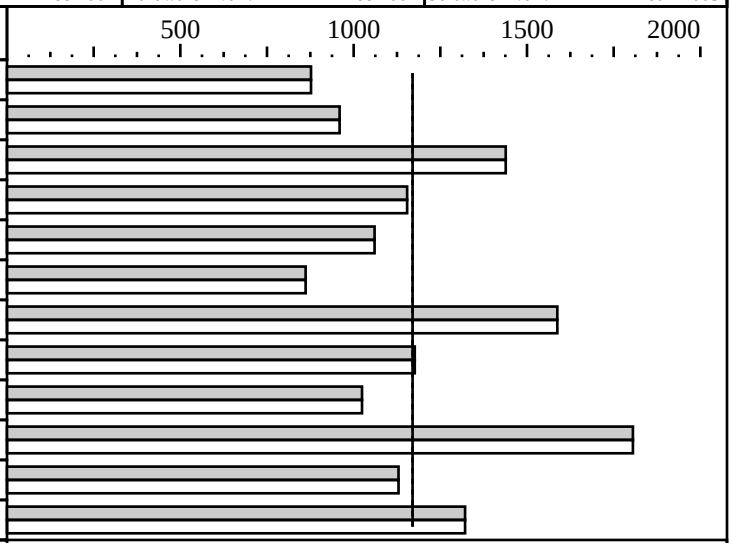
HP Integrity rx2620-2 (1.3GHz/3MB Itanium 2)

SPECint2000 = 1170

SPECint_base2000 = 1170

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	160	877	160	877
175.vpr	1400	146	959	146	959
176.gcc	1100	76.5	1439	76.5	1439
181.mcf	1800	156	1154	156	1154
186.crafty	1000	94.3	1060	94.3	1060
197.parser	1800	209	861	209	861
252.eon	1300	81.9	1587	81.9	1587
253.perlbmk	1800	153	1176	153	1176
254.gap	1100	107	1024	107	1024
255.vortex	1900	105	1806	105	1806
256.bzip2	1500	133	1129	133	1129
300.twolf	3000	227	1321	227	1321



Hardware

CPU:	Intel Itanium 2 (1.3GHz/3MB, 400 MHz FSB)
CPU MHz:	1300
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:	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
```