CINT2000 Result

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Hewlett-Packard Company

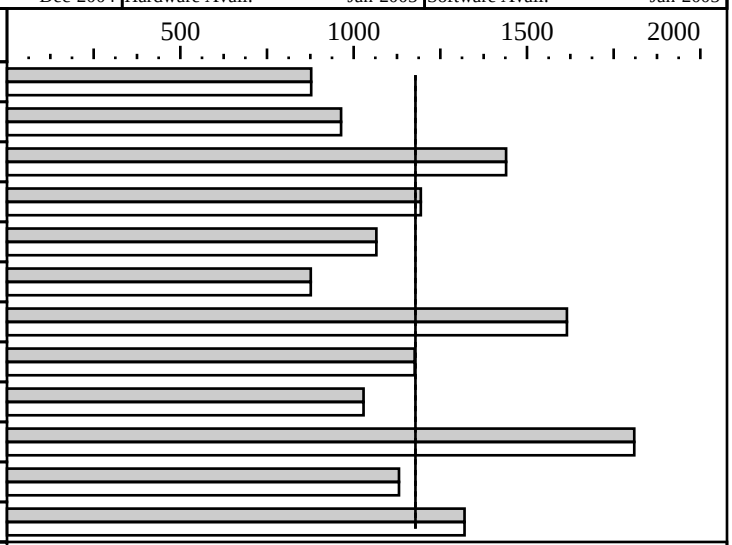
HP Integrity rx1620-2 (1.3GHz/3MB Itanium 2)

SPECint2000 = 1178

SPECint_base2000 = 1178

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	160	877	160	877
175.vpr	1400	145	964	145	964
176.gcc	1100	76.4	1440	76.4	1440
181.mcf	1800	151	1194	151	1194
186.crafty	1000	93.9	1066	93.9	1066
197.parser	1800	205	876	205	876
252.eon	1300	80.5	1615	80.5	1615
253.perlbmk	1800	153	1176	153	1176
254.gap	1100	107	1029	107	1029
255.vortex	1900	105	1809	105	1809
256.bzip2	1500	133	1131	133	1131
300.twolf	3000	227	1320	227	1320



Hardware

CPU:	Intel Itanium 2 (1.3GHz/3MB, 400MHz 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 CPU
Secondary Cache:	256KB (on chip) per CPU
L3 Cache:	3.0MB (on chip) per CPU
Other Cache:	N/A
Memory:	16GB (8x2GB DIMMs)
Disk Subsystem:	1x36GB 15K rpm 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
```