CINT2000 Result

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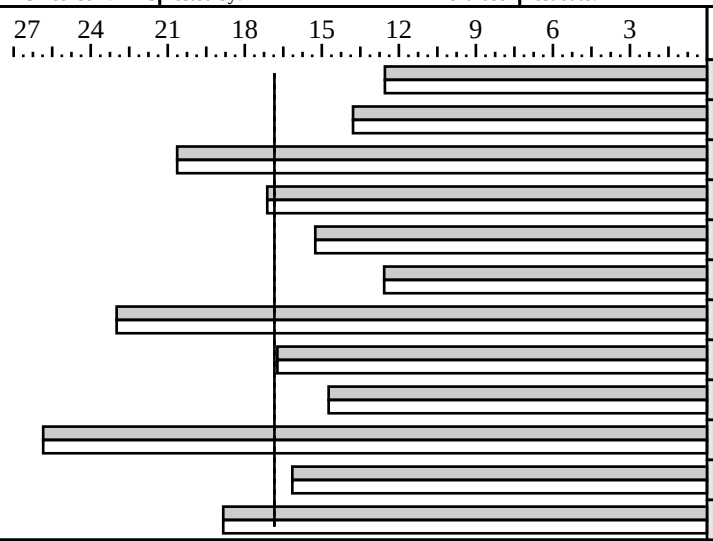
Hewlett-Packard Company

HP Integrity rx1620-2 (1.6GHz/3MB Itanium 2)

SPECint_rate2000 = 16.8

SPECint_rate_base2000 = 16.8

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	129	12.5	1	129	12.5
175.vpr	1	118	13.8	1	118	13.8
176.gcc	1	61.8	20.6	1	61.8	20.6
181.mcf	1	122	17.1	1	122	17.1
186.crafty	1	76.0	15.3	1	76.0	15.3
197.parser	1	166	12.6	1	166	12.6
252.eon	1	65.6	23.0	1	65.6	23.0
253.perlbmk	1	125	16.7	1	125	16.7
254.gap	1	86.6	14.7	1	86.6	14.7
255.vortex	1	85.3	25.9	1	85.3	25.9
256.bzip2	1	108	16.1	1	108	16.1
300.twolf	1	185	18.8	1	185	18.8

Hardware

CPU:	Intel Itanium 2 (1.6 GHz/3MB, 533 MHz 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:	16GB (8x2GB DIMMs)
Disk Subsystem:	1x36GB 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
```