CINT2000 Result

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Hewlett-Packard Company

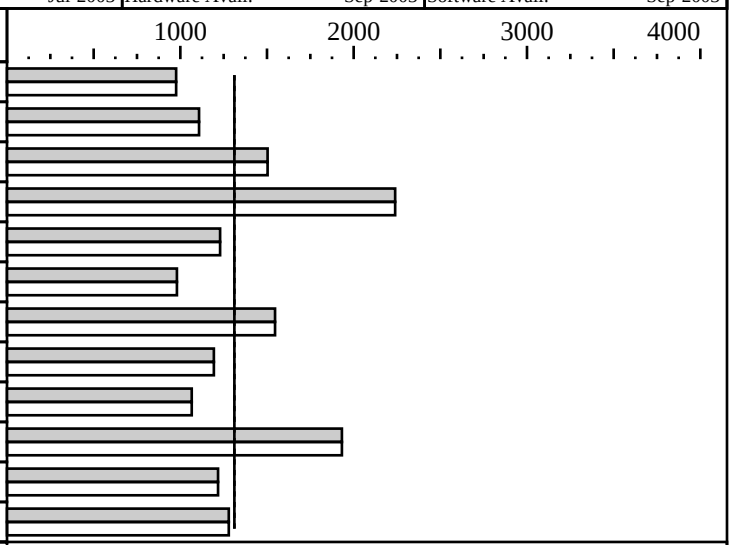
HP Integrity Server rx5670 (1500 MHz, Itanium 2)

SPECint2000 = 1312

SPECint_base2000 = 1312

SPEC license #: 3 | Tested by: HP Richardson | Test date: Jul-2003 | Hardware Avail: Sep-2003 | Software Avail: Sep-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	143	976	143	976
175.vpr	1400	126	1108	126	1108
176.gcc	1100	73.2	1503	73.2	1503
181.mcf	1800	80.4	2239	80.4	2239
186.crafty	1000	81.3	1229	81.3	1229
197.parser	1800	184	980	184	980
252.eon	1300	84.1	1546	84.1	1546
253.perlbmk	1800	151	1193	151	1193
254.gap	1100	103	1066	103	1066
255.vortex	1900	98.3	1932	98.3	1932
256.bzip2	1500	123	1218	123	1218
300.twolf	3000	234	1280	234	1280



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-4
Parallel:	no
Primary Cache:	16KBI + 16KBD (on chip) per CPU
Secondary Cache:	256KB (on chip) per CPU
L3 Cache:	6.0MB (on chip) per CPU
Other Cache:	N/A
Memory:	24GB (48 x 512MB DIMMs on 2 memory carriers)
Disk Subsystem:	1x36GB 15k RPM SCSI disk
Other Hardware:	N/A

Software

Operating System:	HPUX11i-TCOE B.11.23
Compiler:	HP C/ANSI C Compiler B.11.23
	HP aC++ Compiler B.11.23
File System:	vxfs
System State:	Multi-user

Notes/Tuning Information

```
Portability Flags
176.gcc     : -DHOST_WORDS_BIG_ENDIAN
181.mcf     : -DWANT_STDC_PROTO
186.crafty  : -DHP
252.eon     : -I. -DFMAX_IS_DOUBLE -DNDEBUG
              -DSPEC_CPU2000_LP64 (because of 64-bit compile)
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 +Odatalayout
  C++       : +Ofaster +inline_level 2 -minshared +DD64

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


Kernel Tunables:
```

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Notes/Tuning Information (Continued)

```
    maxdsiz             0x7b03a000
    maxdsiz_64bit    0x04000000000
    maxssiz             0x10000000
    maxssiz_64bit       0x40000000
    vps_ceiling              16384
    vps_pagesize              4096
    swapmem_on                   0
    dbc_max_pct                 20
    dbc_min_pct                 20

  Note:
    EFI shell utility 'cpuconfig' used
    to deconfigure processors if necessary
```