



CINT2000 Result

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Hewlett-Packard Company
HP Integrity Server rx2600 (1500 MHz, Itanium 2)

SPECint2000 = --
SPECint_base2000 = 1408

SPEC license #: 3 Tested by: HP Richardson Test date: Feb-2004 Hardware Avail: Sep-2003 Software Avail: Mar-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	147	950		
175.vpr	1400	120	1171		
176.gcc	1100	69.4	1586		
181.mcf	1800	71.6	2514		
186.crafty	1000	80.0	1250		
197.parser	1800	174	1037		
252.eon	1300	71.7	1814		
253.perlbnk	1800	141	1275		
254.gap	1100	96.3	1142		
255.vortex	1900	97.1	1957		
256.bzip2	1500	111	1353		
300.twolf	3000	199	1506		

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1500
 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: 6.0MB (on chip) per CPU
 Other Cache: N/A
 Memory: 12GB (12 x 1024MB DIMMs)
 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 C.05.55
 HP aC++ Compiler C.05.55

PHSS_29658 Aries
 PHSS_29678 Math Library Patch
 PHSS_30018 aC++ comp patch
 PHSS_30019 C/ANSIC comp patch
 PHSS_30020 u2comp/be/plugin patch
 PHSS_30230 linker + fdp patch

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.perlbnk: -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

```
PBO : +Oprofile=collect:all/+Oprofile=use
C : PBO +Ofaster -exec +Odatalayout
C++ : PBO +Ofaster +inline_level 2 -minshared
```

Kernel Tunables:

```
maxdsiz          0x7b03a000
maxdsiz_64bit    0x0400000000
maxssiz          0x10000000
maxssiz_64bit    0x40000000
vps_ceiling      16384
vps_pagesize     4096
```



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Notes/Tuning Information (Continued)

```
swapmem_on          0
dbc_max_pct         20
dbc_min_pct         20
```

Note:
EFI shell utility 'cpuconfig' used
to deconfigure processors