



# CINT2000 Result

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Hewlett-Packard Company  
hp server rx2600 (1000 MHz, Itanium 2)

SPECint2000 = --  
SPECint\_base2000 = 810

SPEC license #: 3 Tested by: HP Richardson Test date: Jul-2002 Hardware Avail: Sep-2002 Software Avail: Oct-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	240	583		
175.vpr	1400	199	704		
176.gcc	1100	108	1014		
181.mcf	1800	216	834		
186.crafty	1000	128	781		
197.parser	1800	273	660		
252.eon	1300	129	1004		
253.perlbnk	1800	221	815		
254.gap	1100	162	680		
255.vortex	1900	159	1193		
256.bzip2	1500	198	759		
300.twolf	3000	341	880		

### Hardware

CPU: Intel Itanium 2  
 CPU MHz: 1000  
 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: 6GB  
 Disk Subsystem: 1x36GB SCSI disk  
 Other Hardware: N/A

### Software

Operating System: HP-UX 11i-TCOE B.11.22  
 Compiler: HP C/ANSI C Compiler B.11.22  
 HP aC++ Compiler B.11.22

PHSS\_27286: C product  
 PHSS\_27284: C++ product  
 PHSS\_27285: C++ library  
 PHSS\_27287: U2comp  
 PHSS\_27288: Linker  
 PHSS\_27291: PBO  
 PHSS\_27293: milli.a  
 Caliper v2.1 [www.hp.com/go/caliper](http://www.hp.com/go/caliper)

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
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:

```
all         : +Oprofile=collect/+Oprofile=use
C           : +Ofaster -exec -Wl,-aarchive_shared
C++        : +Ofaster +inline_level 2 -minshared
```

### 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 other processors