



# CINT2000 Result

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

SPECint\_rate2000 = --  
SPECint\_rate\_base2000 = 9.39

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	240	6.76			
175.vpr	1	199	8.16			
176.gcc	1	108	11.8			
181.mcf	1	216	9.67			
186.crafty	1	128	9.05			
197.parser	1	273	7.66			
252.eon	1	129	11.6			
253.perlbnk	1	221	9.45			
254.gap	1	162	7.89			
255.vortex	1	159	13.8			
256.bzip2	1	198	8.81			
300.twolf	1	341	10.2			

### 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: HPUX11i-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