



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
hp workstation i2000

SPECint2000 = 365
SPECint_base2000 = 358

SPEC license #: 3 Tested by: HP Fort Collins Test date: Sep-2001 Hardware Avail: Jun-2001 Software Avail: Sep-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	100 200 300 400 500				
164.gzip	1400	435	322	424	330	[Bar chart showing ratio 330]				
175.vpr	1400	372	376	371	378	[Bar chart showing ratio 378]				
176.gcc	1100	270	407	269	409	[Bar chart showing ratio 409]				
181.mcf	1800	448	402	448	402	[Bar chart showing ratio 402]				
186.crafty	1000	281	356	252	398	[Bar chart showing ratio 398]				
197.parser	1800	609	296	593	303	[Bar chart showing ratio 303]				
252.eon	1300	351	370	351	370	[Bar chart showing ratio 370]				
253.perlbnk	1800	562	320	531	339	[Bar chart showing ratio 339]				
254.gap	1100	429	256	419	262	[Bar chart showing ratio 262]				
255.vortex	1900	414	459	414	459	[Bar chart showing ratio 459]				
256.bzip2	1500	448	334	447	335	[Bar chart showing ratio 335]				
300.twolf	3000	668	449	668	449	[Bar chart showing ratio 449]				

Hardware

CPU: Intel Itanium
 CPU MHz: 800
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 2
 Parallel: No
 Primary Cache: 16KBI + 16KBD (on die)
 Secondary Cache: 96KB (on die)
 L3 Cache: 4MB (off die, on CPU package)
 Other Cache: None
 Memory: 8GB (16x512MB DIMMs)
 Disk Subsystem: 1x36 GB SCSI
 Other Hardware: None

Software

Operating System: HP-UX 11.20
 Compiler: HP C/ANSI B.11.20
 HP aC++ Compiler C.05.32
 PHSS_24461 - LIBCL general patch
 PHSS_24463 - Aries cumulative patch
 PHSS_24464 - Assembler cumulative patch
 PHSS_24465 - SIN cumulative library Patch
 PHSS_24466 - SIN product patch
 PHSS_24467 - u2comp product patch
 PHSS_24468 - libm cumulative patch
 PHSS_24469 - aCC library patch
 PHSS_24470 - aCC product patch
 PHSS_24471 - C dev cumulative patch
 PHSS_24472 - C-TOOLS cumulative patch
 PHSS_24513 - linker cumulative patch
 PHSS_24648 - unwind cumulative patch

File System: VxFS
 System State: Multi-user

Notes/Tuning Information

Portability Flags:

```
175.vpr      : -DSPEC_CPU2000
176.gcc      : -DHOST_WORDS_BIG_ENDIAN
181.mcf      : -DWANT_STDC_PROTO
186.crafty   : -DHP -DSPEC_CPU2000
197.parser   : -DSPEC_CPU2000
252.eon      : -I. -DFMAX_IS_DOUBLE -DNDEBUG srcalt=stdcpp
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
300.twolf    : -DSPEC_CPU2000
```

Base Flags:

```
C           : +I/+P +Ofaster -exec -Wl,-aarchive_shared
C++        : +I/+P +Ofaster +inline_level 2
```

Peak Flags:



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
hp workstation i2000

SPECint2000 = 365
SPECint_base2000 = 358

SPEC license #: 3 | Tested by: HP Fort Collins | Test date: Sep-2001 | Hardware Avail: Jun-2001 | Software Avail: Sep-2001

Notes/Tuning Information (Continued)

```

C      : +I/+P +Ofaster -exec -Wl,-aarchive_shared
      (base flags) plus additional peak flags listed below

164.gzip  : +Onorecovery +Onoptrs_to_globals
          -Bprotected_data +Oinlinebudget=50
175.vpr   : +Onorecovery +Onoptrs_to_globals -Bprotected
176.gcc   : +Onoptrs_to_globals
          -Bprotected_def +Oinlinebudget=50
          LIBS = /opt/langtools/lib/hpux32/fastmem.o
181.mcf   : basepeak=true
186.crafty : +Onorecovery +Onoptrs_to_globals -Bprotected
          +Oinlinebudget=50
197.parser : +Onorecovery +Onoptrs_to_globals -Bprotected
252.eon   : basepeak=true
253.perlbnk : +Onoptrs_to_globals -Bprotected_def
          LIBS = /opt/langtools/lib/hpux32/fastmem.o
254.gap   : +Onoptrs_to_globals -Bprotected_data
          +Oinlinebudget=50
255.vortex : basepeak=true
256.bzip2 : +Onorecovery +Onoptrs_to_globals -Bprotected_data
300.twolf : basepeak=true

```

Kernel Tunables:

```

maxdsiz      0x100000000
maxdsiz_64bit 0x0400000000
maxssiz      0X10000000
maxssiz_64bit 0x40000000
vps_ceiling  16384
vps_pagesize 2048
swapmem_on   0
dbc_max_pct  20
dbc_min_pct  20
One cpu physically removed

```