



CINT2000 Result

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Hewlett-Packard Corporation
hp workstation zx6000 (900MHz, Itanium 2)

SPECint2000 = 669
SPECint_base2000 = 669

SPEC license #: 3 Tested by: Hewlett-Packard Test date: Nov-2002 Hardware Avail: Sep-2002 Software Avail: Oct-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	267	525	267	525	
175.vpr	1400	243	577	243	577	
176.gcc	1100	126	871	126	871	
181.mcf	1800	408	442	408	442	
186.crafty	1000	145	687	145	687	
197.parser	1800	333	541	333	541	
252.eon	1300	138	941	138	941	
253.perlbnk	1800	249	722	249	722	
254.gap	1100	180	612	180	612	
255.vortex	1900	191	994	191	994	
256.bzip2	1500	251	597	251	597	
300.twolf	3000	402	747	402	747	

Hardware

CPU: Intel Itanium 2
CPU MHz: 900
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: 1.5MB (on chip) per CPU
Other Cache: N/A
Memory: 6GB (12 * 512MB DIMMS)
Disk Subsystem: 1x36GB SCSI disk
Other Hardware: N/A

Software

Operating System: HPUX11i-TCOE B.11.22
Compiler: HP C/ANSI C Compiler v11.22
HP aC++ Compiler v11.22

PHSS_27286: C product
PHSS_27284: C++ product
PHSS_27285: C++ library
PHSS_27287: U2comp
PHSS_27288: Linker
PHSS_27289: Libm
PHSS_27290: Assembler
PHSS_27291: PBO
PHSS_27293: milli.a
Caliper v2.1.3 www.hp.com/go/caliper
VxFS
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
```

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

Kernel Tunables:



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Notes/Tuning Information (Continued)

vps_ceiling	16384
vps_pagesize	4096
dbc_max_pct	10
dbc_min_pct	10

Note:

EFI shell utility cpuconfig used
to deconfigure other processor