



CINT2000 Result

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Hewlett-Packard Company
ProLiant BL25p (AMD Opteron (TM) 285)

SPECint2000 = 1754
SPECint_base2000 = 1666

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Feb-2006 Hardware Avail: Mar-2006 Software Avail: Nov-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	99.5	1407	99.5	1407	
175.vpr	1400	104	1344	101	1386	
176.gcc	1100	58.7	1874	58.4	1884	
181.mcf	1800	166	1084	139	1297	
186.crafty	1000	60.1	1664	54.3	1841	
197.parser	1800	114	1581	114	1582	
252.eon	1300	50.8	2561	46.2	2817	
253.perlbnk	1800	104	1726	104	1726	
254.gap	1100	61.9	1778	61.9	1778	
255.vortex	1900	74.3	2558	74.5	2552	
256.bzip2	1500	113	1327	112	1344	
300.twolf	3000	177	1693	146	2057	

Hardware

CPU: AMD Opteron (TM) 285
CPU MHz: 2600
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 64KBI + 64KBD (on chip) per core
Secondary Cache: 1024KB(I+D) (on chip) per core
L3 Cache: N/A
Other Cache: N/A
Memory: 4x2048MB PC3200 CL3.0
Disk Subsystem: 1x36.4GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
Compiler: Intel C++ Compiler 8.0 Build 20040318Z
Microsoft Visual Studio .NET 7.0.9466 (for libraries)
MicroQuill Smartheap Library 7.0
File System: NTFS
System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast -arch:SSE2 -Oi- +FDO ONESTEP=yes
Base tuning for C++ programs: -fast -GX -GR +FDO ONESTEP=yes
Portability flags:
 176.gcc: -Dalloca=_alloca /F10000000
 186.crafty: -DNT_i386
 253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
 254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: basepeak=yes
175.vpr: -fast -arch:SSE2 -Qoption,c,-ip_ninl_max_stats=2000
-Qoption,c,-ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes
176.gcc: -fast -arch:SSE2 -Oi- -Qunroll3 +FDO
181.mcf: -fast -QaxN +FDO ONESTEP=yes
186.crafty: -fast -arch:SSE2 +FDO ONESTEP=yes
197.parser: -arch:SSE2 -Oi- -Qipo +FDO ONESTEP=yes
252.eon: -fast -arch:SSE2 -Qansi_alias -Qoption,c,-ip_ninl_max_stats=2000
-Qoption,c,-ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes
253.perlbnk: basepeak=yes
254.gap: basepeak=yes
```



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Notes/Tuning Information (Continued)

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255.vortex:      -fast -arch:SSE2 -Oi- -Qoption,c,-ip_ninl_max_stats=2000
                  -Qoption,c,-ip_ninl_max_total_stats=4500 +FDO shlw32M.lib ONESTEP=yes
256.bzip2:       -fast -Qunroll2
300.twolf:       -fast -arch:SSE2 -Qansi_alias +FDO shlw32M.lib ONESTEP=yes
BIOS Configuration Notes
Node Interleaving Disabled
Other Configuration Notes
/NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.
```