



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant DL385 (AMD Opteron (TM) 275)

SPECint_rate2000 = 17.9
SPECint_rate_base2000 = 17.0

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Jul-2005 Hardware Avail: Jul-2005 Software Avail: Apr-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	115	14.1	1	115	14.1
175.vpr	1	116	14.0	1	112	14.5
176.gcc	1	67.5	18.9	1	66.7	19.1
181.mcf	1	173	12.1	1	146	14.3
186.crafty	1	69.7	16.6	1	63.4	18.3
197.parser	1	130	16.1	1	130	16.1
252.eon	1	59.7	25.2	1	54.8	27.5
253.perlbnk	1	122	17.1	1	122	17.1
254.gap	1	70.8	18.0	1	70.8	18.0
255.vortex	1	84.1	26.2	1	83.7	26.3
256.bzip2	1	127	13.7	1	125	13.9
300.twolf	1	201	17.3	1	170	20.5

Hardware

CPU: AMD Opteron (TM) 275
 CPU MHz: 2200
 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
 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 -arch:SSE2 -GX -GR 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: -fast -arch:SSE2 +FDO shlw32M.lib ONESTEP=yes
 175.vpr: -fast -arch:SSE2 -Qoption,c,-ip_ninl_max_stats=2000
          -Qoption,c,-ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes
          basepeak=yes
 176.gcc: -fast -QaxN +FDO ONESTEP=yes
 181.mcf: -fast -QxW + FDO ONESTEP=yes
 186.crafty: -fast -QxW + 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: -Qipo -arch:SSE2 +FDO shlw32M.lib ONESTEP=yes
 254.gap: -fast -arch:SSE2 -Oi- -Oa -Qoption,c,-ip_ninl_max_stats=500
```



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant DL385 (AMD Opteron (TM) 275)

SPECint_rate2000 = 17.9
SPECint_rate_base2000 = 17.0

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jul-2005 | Hardware Avail: Jul-2005 | Software Avail: Apr-2005

Notes/Tuning Information (Continued)

```
255.vortex: -Qoption,c,-ip_ninl_max_total_stats=3000 +FDO ONESTEP=yes
            -fast -arch:SSE -Oi- -Qoption,c,-ip_ninl_max_stats=2000
256.bzip2:  -Qoption,c,-ip_ninl_max_total_stats=4500 +FDO shlw32M.lib ONESTEP=yes
            -fast -Qunroll2
300.twolf:  -QxW -Qipo -O3 +FDO shlw32M.lib ONESTEP=yes
Other Configuration Notes
/NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.
BIOS Configuration Notes
Node Interleaving Disabled
```