CINT2000 Result

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Hewlett-Packard Company

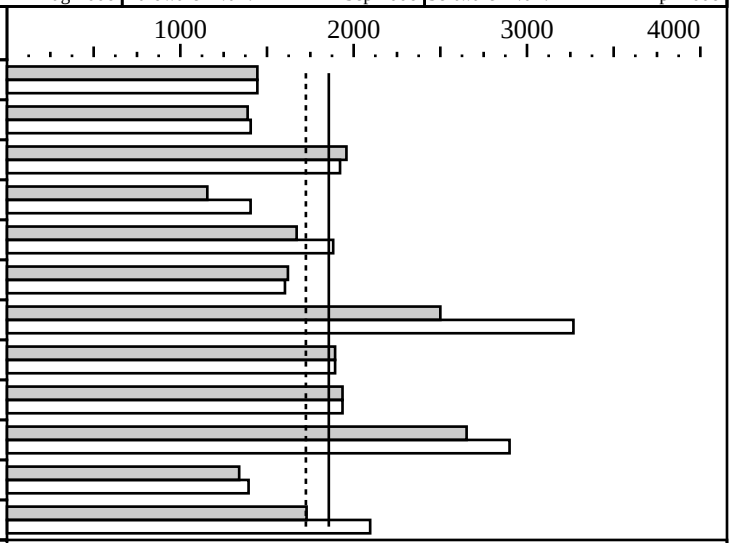
ProLiant BL465c (AMD Opteron (TM) 2218)

SPECint2000 = 1857

SPECint_base2000 = 1724

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Aug-2006 | Hardware Avail: Sep-2006 | Software Avail: Apr-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	96.9	1444	96.9	1444
175.vpr	1400	101	1388	99.6	1406
176.gcc	1100	56.2	1958	57.3	1921
181.mcf	1800	156	1156	128	1405
186.crafty	1000	59.8	1671	53.1	1882
197.parser	1800	111	1621	112	1604
252.eon	1300	52.0	2500	39.8	3268
253.perlbmk	1800	95.1	1893	95.1	1893
254.gap	1100	56.8	1936	56.8	1936
255.vortex	1900	71.7	2652	65.5	2899
256.bzip2	1500	112	1339	108	1394
300.twolf	3000	174	1728	143	2095



Hardware

CPU:	AMD Opteron (TM) 2218
CPU MHz:	2600
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	64 KB I + 64 KB D on chip per core
Secondary Cache:	1 MB I+D on chip per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 GB (4x2048 MB PC2-5300P CL5.0)
Disk Subsystem:	1x36 GB 10 K SAS
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (version 9.1 Build 20060323Z) 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 -Qcxx_features -arch:SSE2 +FDO ONESTEP=yes
Portability flags:
  176.gcc:     -Dalloca=_alloca /F10000000
  186.crafty:  -DNT_i386
  253.perlbmk: -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:     -O3 -Qipo -QaxN                         +FDO ONESTEP=yes shlw32M.lib
  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.perlbmk: basepeak=yes
  254.gap:     basepeak=yes
```

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Notes/Tuning Information (Continued)

```
    255.vortex:  -fast -arch:SSE2 -Oi- -Qoption,c,-ip_ninl_max_stats=2000
                 -Qoption,c,-ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes shlw32M.lib
    256.bzip2:   -O3 -Qipo -QaxN  -Qunroll2                              shlw32M.lib
    300.twolf:   -fast -arch:SSE2 -Qansi_alias           +FDO ONESTEP=yes shlw32M.lib
  BIOS Configuration Notes
    Node Interleaving Disabled
```