CINT2000 Result

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Fujitsu Siemens Computers

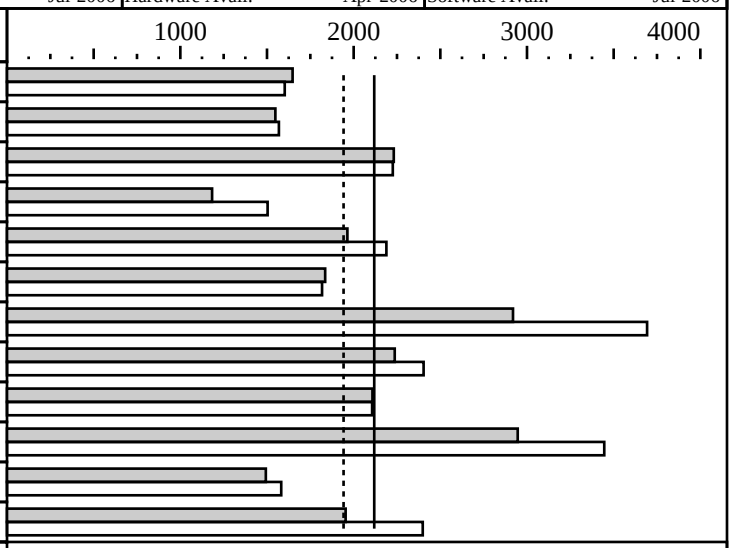
PRIMERGY BX630, AMD Opteron (TM) 256

SPECint2000 = 2119

SPECint_base2000 = 1942

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Jul-2006 | Hardware Avail: Apr-2006 | Software Avail: Jul-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	85.0	1648	87.4	1602
175.vpr	1400	90.4	1548	89.3	1569
176.gcc	1100	49.3	2231	49.4	2226
181.mcf	1800	152	1183	120	1504
186.crafty	1000	50.9	1964	45.7	2189
197.parser	1800	98.1	1836	99.0	1818
252.eon	1300	44.5	2919	35.2	3693
253.perlbmk	1800	80.5	2237	74.9	2403
254.gap	1100	52.2	2108	52.2	2107
255.vortex	1900	64.5	2946	55.1	3446
256.bzip2	1500	100	1493	94.8	1582
300.twolf	3000	154	1954	125	2399



Hardware

CPU:	AMD Opteron (TM) 256 processor (3.0 GHz)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	64KBI + 64KBD on chip
Secondary Cache:	1024KB (I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x1GB DDR-RAM PC3200R (CAS 3-3-3)
Disk Subsystem:	Maxtor DiamondPLUS 9 (SATA)
Other Hardware:	None

Software

Operating System:	Windows Server 2003 Enterprise Edition + SP1
Compiler:	Intel C++ 9.1 Build 20060519Z (for 32-bit applications), Microsoft Visual Studio .Net 2003 7.1.3088 (for libraries), SmartHeap Library Version 8.0 from http://www.microquill.com
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
GENERAL
+FDO: PASS1= -Qprof_gen  PASS2= -Qprof_use

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

Base tuning flags
   for C programs:   -fast -arch:SSE2 -Oi- +FDO
   for C++ programs: -O3 -Qipo -Qcxx-features +FDO

Peak tuning flags
   164.gzip:    -O3 -Qipo -QxW +FDO
   175.vpr:     -O3 -Qipo -QxW -Qoption,c,-ip_ninl_max_stats=2000,
                -ip_ninl_max_total_stats=4500 +FDO
   176.gcc:     -O3 -Qipo -QxW -Oi- -Qunroll3 +FDO shlw32M.lib
   181.mcf:     -O3 -Qipo -QaxN +FDO shlw32M.lib
   186.crafty:  -O3 -Qipo -QxW +FDO shlw32M.lib
```

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Notes/Tuning Information (Continued)

```
    197.parser:  -Oi -Qipo -QxW +FDO shlw32M.lib
    252.eon:     -O3 -Qipo -QxW -Qansi_alias -Qoption,c,-ip_ninl_max_stats=2000,
                 -ip_ninl_max_total_stats=4500 +FDO shlw32M.lib
    253.perlbmk: -O3 -Qipo -QxW +FDO shlw32M.lib
    254.gap:     -O3 -Qipo -QxW +FDO shlw32M.lib
    255.vortex:  -O3 -Qipo -arch:SSE -Oi- -Qoption,c,-ip_ninl_max_stats=2000,
                 -ip_ninl_max_total_stats=4500 +FDO shlw32M.lib
    256.bzip2:   -O3 -Qipo -Qunroll2 shlw32M.lib
    300.twolf:   -O3 -Qipo -QxW -Qunroll3 -Qansi_alias +FDO shlw32M.lib


Boot options:  /execute /nopae

BIOS settings: Memory timing=1T
DRAM Bank Interleave=AUTO

This result was measured with 32-bit binaries using the 32-bit version of
the operating system.

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http://www.fujitsu-siemens.com/countries
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