# CINT2000 Result

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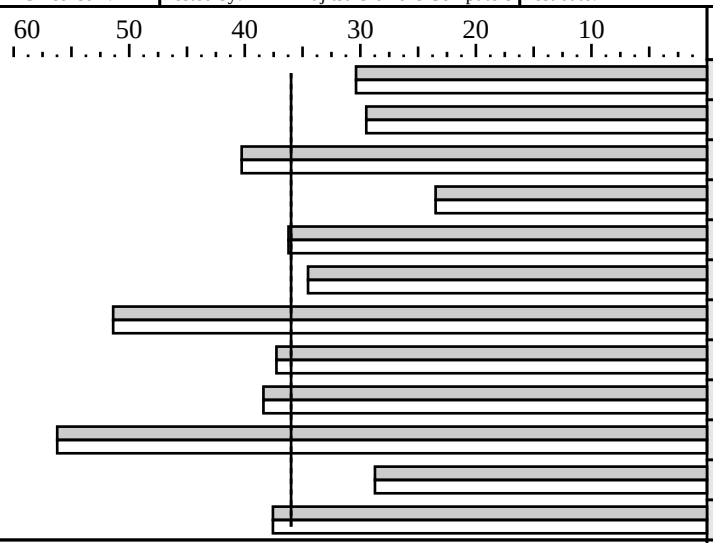
## Fujitsu Siemens Computers
## PRIMERGY BX630, AMD Opteron (TM) 850

SPECint_rate2000 = 36.0

SPECint_rate_base2000 = 36.0

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Sep-2005 | Hardware Avail: Oct-2005 | Software Avail: Apr-2004




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 2 | 107 | 30.4 | 2 | 107 | 30.4 |
| 175.vpr | 2 | 110 | 29.5 | 2 | 110 | 29.5 |
| 176.gcc | 2 | 63.4 | 40.3 | 2 | 63.4 | 40.3 |
| 181.mcf | 2 | 178 | 23.5 | 2 | 178 | 23.5 |
| 186.crafty | 2 | 64.1 | 36.2 | 2 | 64.1 | 36.2 |
| 197.parser | 2 | 121 | 34.5 | 2 | 121 | 34.5 |
| 252.eon | 2 | 58.7 | 51.4 | 2 | 58.7 | 51.4 |
| 253.perlbmk | 2 | 112 | 37.3 | 2 | 112 | 37.3 |
| 254.gap | 2 | 66.5 | 38.4 | 2 | 66.5 | 38.4 |
| 255.vortex | 2 | 78.4 | 56.2 | 2 | 78.4 | 56.2 |
| 256.bzip2 | 2 | 121 | 28.7 | 2 | 121 | 28.7 |
| 300.twolf | 2 | 185 | 37.6 | 2 | 185 | 37.6 |

### Hardware

| | |
|---|---|
| CPU: | AMD Opteron (TM) 850 processor (2.40 GHz) |
| CPU MHz: | 2400 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 2 chips, 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: | 8x2048MB DDR-RAM PC3200R |
| Disk Subsystem: | Seagate ST3160023AS (SATA, 7.2krpm) |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Enterprise Edition + SP1 |
| Compiler: | Intel C++ 8.0<br>Build 20040415Z (for 32-bit applications),<br>Microsoft Visual Studio .NET 7.0.9466 (libraries) |
| 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: -fast -arch:SSE2 -GX -GR

Peak tuning flags
   same as baseline (basepeak=yes set globally)


'start /b /wait /affinity' command is used to bind CPU(s) to processes
boot options: /NoExecute=alwaysoff
```

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## Notes/Tuning Information (Continued)

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

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