# CINT2000 Result

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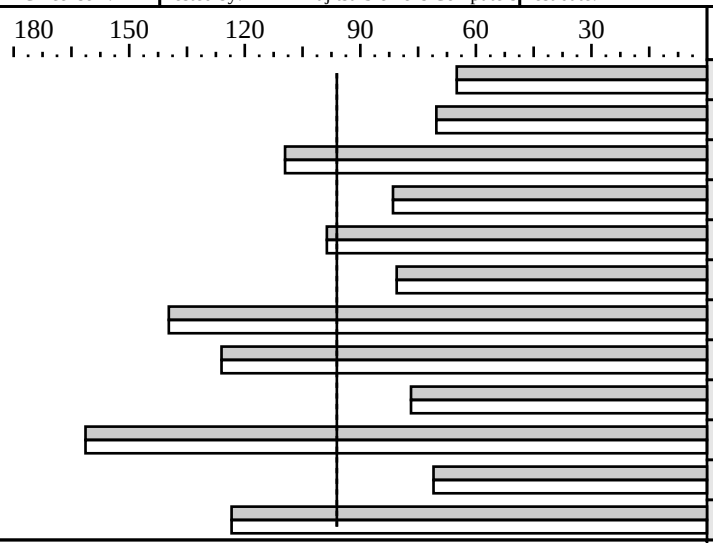
## Fujitsu Siemens Computers

PRIMERGY RX200 S3, Intel Xeon processor E5345, 2.33 GHz

SPECint_rate2000 = 96.1

SPECint_rate_base2000 = 96.1

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Nov-2006 | Hardware Avail: Jan-2007 | Software Avail: May-2006




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 4 | 100.0 | 65.0 | 4 | 100.0 | 65.0 |
| 175.vpr | 4 | 92.5 | 70.3 | 4 | 92.5 | 70.3 |
| 176.gcc | 4 | 46.6 | 110 | 4 | 46.6 | 110 |
| 181.mcf | 4 | 102 | 81.5 | 4 | 102 | 81.5 |
| 186.crafty | 4 | 47.0 | 98.7 | 4 | 47.0 | 98.7 |
| 197.parser | 4 | 104 | 80.6 | 4 | 104 | 80.6 |
| 252.eon | 4 | 43.2 | 140 | 4 | 43.2 | 140 |
| 253.perlbmk | 4 | 66.3 | 126 | 4 | 66.3 | 126 |
| 254.gap | 4 | 66.4 | 76.8 | 4 | 66.4 | 76.8 |
| 255.vortex | 4 | 54.6 | 161 | 4 | 54.6 | 161 |
| 256.bzip2 | 4 | 98.0 | 71.0 | 4 | 98.0 | 71.0 |
| 300.twolf | 4 | 113 | 123 | 4 | 113 | 123 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon processor E5345 (2.33 GHz, 2x4MB L2, 1333 MHz system bus) |
| CPU MHz: | 2333 |
| FPU: | Integrated |
| CPU(s) enabled: | 4 cores, 1 chip, 4 cores/chip |
| CPU(s) orderable: | 1,2 chips |
| Parallel: | No |
| Primary Cache: | 32KB(I) + 32KB(D) on chip, per core |
| Secondary Cache: | 8MB(I+D) on chip, per chip (4MB shared per 2 cores) |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 8x1GB DDR2-RAM PC2-5300F (CAS 5-5-5) |
| Disk Subsystem: | Seagate ST373454SS (SAS, 15.4krpm, 73GB) |
| Other Hardware: | none |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Enterprise Edition + SP1 (32-bit) |
| Compiler: | Intel C++ Compiler 9.1<br>Build 20060323Z (for 32-bit applications),<br>Microsoft Visual Studio .Net 2003<br>7.1.3088 (for libraries),<br>SmartHeap Library Version 8.0<br>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 +FDO shlW32M.lib
   for C++ programs: -fast -Qcxx_features +FDO shlW32M.lib

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

The system bus runs at 1333 MHz

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

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## Notes/Tuning Information (Continued)

```
BIOS Configuration:
Adjacent Sector Prefetch = Disable

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