# CINT2000 Result

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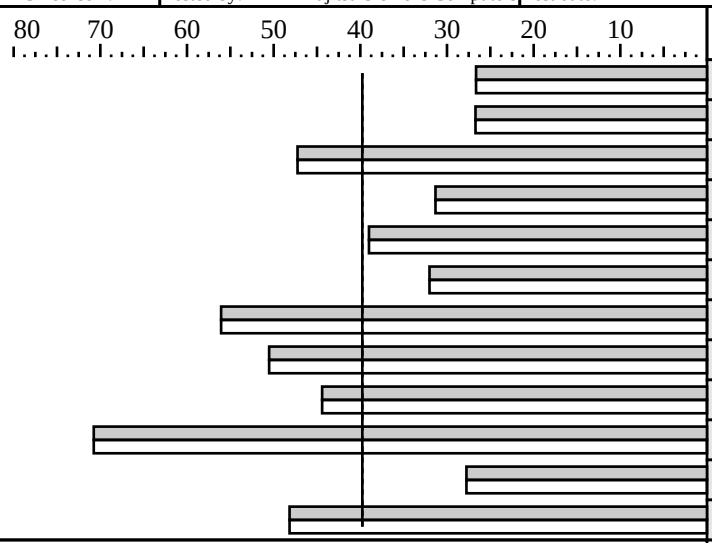
## Fujitsu Siemens Computers

PRIMERGY RX100 S4, Intel Xeon processor 3040, 1.86 GHz

SPECint_rate2000 = 39.8

SPECint_rate_base2000 = 39.8

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Aug-2006 | Hardware Avail: Sep-2006 | Software Avail: May-2006




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 2 | 122 | 26.6 | 2 | 122 | 26.6 |
| 175.vpr | 2 | 122 | 26.7 | 2 | 122 | 26.7 |
| 176.gcc | 2 | 54.0 | 47.2 | 2 | 54.0 | 47.2 |
| 181.mcf | 2 | 133 | 31.3 | 2 | 133 | 31.3 |
| 186.crafty | 2 | 59.5 | 39.0 | 2 | 59.5 | 39.0 |
| 197.parser | 2 | 130 | 32.0 | 2 | 130 | 32.0 |
| 252.eon | 2 | 53.8 | 56.1 | 2 | 53.8 | 56.1 |
| 253.perlbmk | 2 | 82.7 | 50.5 | 2 | 82.7 | 50.5 |
| 254.gap | 2 | 57.5 | 44.4 | 2 | 57.5 | 44.4 |
| 255.vortex | 2 | 62.3 | 70.8 | 2 | 62.3 | 70.8 |
| 256.bzip2 | 2 | 125 | 27.8 | 2 | 125 | 27.8 |
| 300.twolf | 2 | 145 | 48.2 | 2 | 145 | 48.2 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon processor 3040 (1.86 GHz, 2MB L2, 1066 MHz system bus) |
| CPU MHz: | 1866 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 1 chip, 2 cores/chip |
| CPU(s) orderable: | 1 chip |
| Parallel: | No |
| Primary Cache: | 32KB(I) + 32KB(D) on chip, per core |
| Secondary Cache: | 2048KB(I+D) on chip, per chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 4x2GB DDRII-RAM PC2-4200E (CAS 4-4-4) |
| Disk Subsystem: | Seagate ST3146854SS (SAS, 15.4krpm, 146GB) |
| 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 1066 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)

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BIOS configuration:
Adjacent Sector Prefetch = Disable

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