# CINT2000 Result

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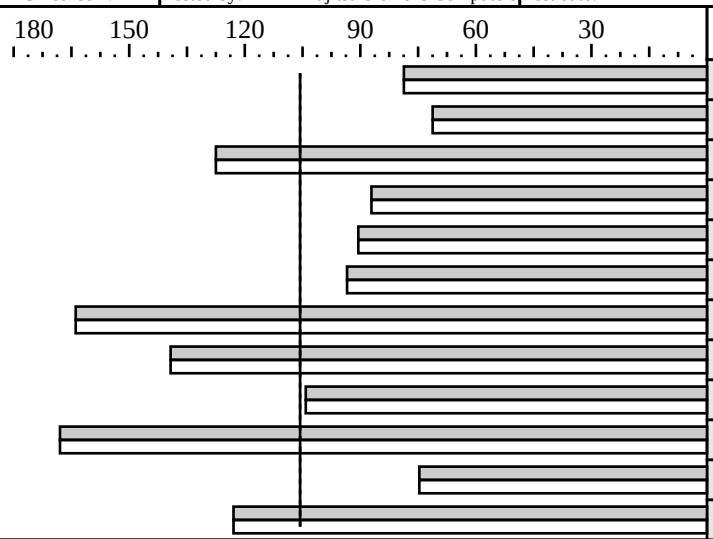
## Fujitsu Siemens Computers

PRIMERGY TX600 S3, Intel Xeon processor 7110M, 2.60 GHz

SPECint_rate2000 = 106

SPECint_rate_base2000 = 106

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 8 | 165 | 78.7 | 8 | 165 | 78.7 |
| 175.vpr | 8 | 182 | 71.2 | 8 | 182 | 71.2 |
| 176.gcc | 8 | 80.1 | 127 | 8 | 80.1 | 127 |
| 181.mcf | 8 | 192 | 87.1 | 8 | 192 | 87.1 |
| 186.crafty | 8 | 103 | 90.5 | 8 | 103 | 90.5 |
| 197.parser | 8 | 179 | 93.4 | 8 | 179 | 93.4 |
| 252.eon | 8 | 73.6 | 164 | 8 | 73.6 | 164 |
| 253.perlbmk | 8 | 120 | 139 | 8 | 120 | 139 |
| 254.gap | 8 | 98.0 | 104 | 8 | 98.0 | 104 |
| 255.vortex | 8 | 105 | 168 | 8 | 105 | 168 |
| 256.bzip2 | 8 | 186 | 74.7 | 8 | 186 | 74.7 |
| 300.twolf | 8 | 226 | 123 | 8 | 226 | 123 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon processor 7110M (2.60 GHz, 2x1MB L2, 4MB L3, 800 MHz system bus) |
| CPU MHz: | 2600 |
| FPU: | Integrated |
| CPU(s) enabled: | 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology disabled) |
| CPU(s) orderable: | 1,2,4 chips |
| Parallel: | No |
| Primary Cache: | 12k micro-ops(I) + 16KB(D) on chip, per core |
| Secondary Cache: | 1024KB(I+D) on chip, per core |
| L3 Cache: | 4MB on chip, per chip |
| Other Cache: | N/A |
| Memory: | 16x1GB DDRII-RAM PC2-3200R (CAS 3-3-3) |
| Disk Subsystem: | Fujitsu MAS3367NC (SCSI, 15krpm, 36GB) |
| 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 800 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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