



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX300 S3, Intel Xeon processor X5355, 2.66 GHz

SPECint\_rate2000 = 200

SPECint\_rate\_base2000 = 200

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	8	89.3	145	8	89.3	145
175.vpr	8	90.5	144	8	90.5	144
176.gcc	8	55.6	184	8	55.6	184
181.mcf	8	120	139	8	120	139
186.crafty	8	41.1	226	8	41.1	226
197.parser	8	94.3	177	8	94.3	177
252.eon	8	37.8	319	8	37.8	319
253.perlbnk	8	59.6	280	8	59.6	280
254.gap	8	70.0	146	8	70.0	146
255.vortex	8	51.4	343	8	51.4	343
256.bzip2	8	93.8	148	8	93.8	148
300.twolf	8	98.5	283	8	98.5	283

### Hardware

CPU: Intel Xeon processor X5355 (2.66 GHz, 2x4MB L2, 1333 MHz system bus)  
CPU MHz: 2666  
FPU: Integrated  
CPU(s) enabled: 8 cores, 2 chips, 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  
Build 20060323Z (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.perlbnk: -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

The PRIMERGY RX300 S3 and the PRIMERGY TX300 S3 are electronically equivalent.

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