



# CINT2000 Result

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**Fujitsu Siemens Computers**  
PRIMERGY RX300 S2, Dual-Core Intel Xeon 2.80 GHz

SPECint\_rate2000 = 59.2  
SPECint\_rate\_base2000 = 59.2

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Sep-2005 | Hardware Avail: Nov-2005 | Software Avail: Mar-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	8	231	56.3	8	231	56.3
175.vpr	8	333	39.0	8	333	39.0
176.gcc	8	123	82.9	8	123	82.9
181.mcf	8	658	25.4	8	658	25.4
186.crafy	8	191	48.7	8	191	48.7
197.parser	8	268	62.3	8	268	62.3
252.eon	8	165	73.0	8	165	73.0
253.perlbnk	8	233	71.7	8	233	71.7
254.gap	8	168	60.9	8	168	60.9
255.vortex	8	165	107	8	165	107
256.bzip2	8	273	51.0	8	273	51.0
300.twolf	8	363	76.8	8	363	76.8

### Hardware

CPU: Dual-Core Intel Xeon 2.80 GHz (800 MHz bus)  
 CPU MHz: 2800  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology enabled)  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 12k micro-ops I + 16KBD on chip, per core  
 Secondary Cache: 2048KB(I+D) on chip, per core  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8x512 MB DDRII-RAM PC2-3200R  
 Disk Subsystem: Fujitsu MAS3367NC (SCSI U320, 15krpm, 36GB)  
 Other Hardware: none

### Software

Operating System: Windows Server 2003 Enterprise Edition + SP1  
 Compiler: Intel C++ Compiler 9.0  
 Build 20050722Z (for 32-bit applications),  
 Microsoft Visual Studio .Net 2003  
 7.1.3088 (for libraries),  
 SmartHeap Library Version 7.4 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.crafy: -DNT\_i386  
 252.eon: Approved srcalt stdcpp is used  
 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)

New 32-bit Windows tools used, approved in May-2005

The system bus runs at 800 MHz



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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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