



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY RX600 S3, Intel Xeon processor 7140M, 3.40 GHz

SPECint\_rate2000 = 162

SPECint\_rate\_base2000 = 162

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	16	198	131	16	198	131
175.vpr	16	237	110	16	237	110
176.gcc	16	96.7	211	16	96.7	211
181.mcf	16	201	166	16	201	166
186.crafy	16	162	115	16	162	115
197.parser	16	206	162	16	206	162
252.eon	16	105	230	16	105	230
253.perlbnk	16	188	178	16	188	178
254.gap	16	159	129	16	159	129
255.vortex	16	138	256	16	138	256
256.bzip2	16	178	156	16	178	156
300.twolf	16	332	168	16	332	168

### Hardware

CPU: Intel Xeon processor 7140M (3.40 GHz, 2x1MB L2, 16MB L3, 800 MHz system bus)  
 CPU MHz: 3400  
 FPU: Integrated  
 CPU(s) enabled: 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology enabled)  
 CPU(s) orderable: 1,2,4  
 Parallel: No  
 Primary Cache: 12k micro-ops I + 16KBD on chip, per core  
 Secondary Cache: 1024KB(I+D) on chip, per core  
 L3 Cache: 16MB 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  
 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.crafy: -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 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)

This result was measured on the PRIMERGY TX600 S3. The PRIMERGY TX600 S3 and the PRIMERGY RX600 S3 are electronically equivalent.

BIOS Configuration:

Hardware Prefetch = Enable, Adjacent Sector Prefetch = Enable

For information about Fujitsu Siemens Computers in your country please see:  
<http://www.fujitsu-siemens.com/countries>