



# CINT2000 Result

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## Fujitsu Siemens Computers

PRIMERGY TX600 S3, Intel Xeon processor 7130M, 3.20 GHz

SPECint\_rate2000 = 143

SPECint\_rate\_base2000 = 143

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.gzip	16	212	123	16	212	123
175.vpr	16	271	96.0	16	271	96.0
176.gcc	16	108	189	16	108	189
181.mcf	16	280	119	16	280	119
186.crafty	16	173	107	16	173	107
197.parser	16	233	143	16	233	143
252.eon	16	111	217	16	111	217
253.perlbnk	16	206	162	16	206	162
254.gap	16	166	123	16	166	123
255.vortex	16	159	222	16	159	222
256.bzip2	16	217	128	16	217	128
300.twolf	16	373	149	16	373	149

### Hardware

CPU: Intel Xeon processor 7130M (3.20 GHz, 2x1MB L2, 8MB L3, 800 MHz system bus)  
CPU MHz: 3200  
FPU: Integrated  
CPU(s) enabled: 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology enabled)  
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: 8MB 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.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 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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