



CINT2000 Result

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Fujitsu Siemens Computers
CELSIUS M430, Pentium 4 3.8 GHz

SPECint2000 = 1671
SPECint_base2000 = 1663

SPEC license #: 22 Tested by: Fujitsu Siemens Computers Test date: Feb-2005 Hardware Avail: Dec-2004 Software Avail: Nov-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	111	1262	111	1258				
175.vpr	1400	136	1031	131	1068				
176.gcc	1100	54.6	2015	54.6	2015				
181.mcf	1800	127	1415	127	1415				
186.crafty	1000	71.0	1408	71.2	1405				
197.parser	1800	125	1442	124	1451				
252.eon	1300	55.6	2338	55.2	2357				
253.perlbnk	1800	82.9	2171	82.7	2177				
254.gap	1100	55.1	1996	55.1	1996				
255.vortex	1900	69.2	2746	69.2	2746				
256.bzip2	1500	131	1149	129	1162				
300.twolf	3000	162	1855	161	1860				

Hardware

CPU: Intel Pentium 4 (3.8 GHz, 800 MHz bus)
 CPU MHz: 3800
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 1
 Parallel: No
 Primary Cache: 12k micro-ops I + 16KBD on chip
 Secondary Cache: 1024KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 2 GB (4x512 MB DDRII 533, CL4-4-4, with ECC)
 Disk Subsystem: Maxtor 6Y160M0 (Serial ATA 7200 rpm)
 Other Hardware:

Software

Operating System: Windows XP Professional, Service Pack 1
 Compiler: Intel(R) C++ Compiler, Version 8.1,
 - Build 20041019Z, Package ID: W_CC_PU_8.1.020
 Microsoft Visual Studio .NET 7.0 (for libraries)
 MicroQuill SmartHeap Library 6.03a
 File System: FAT32
 System State: Default

Notes/Tuning Information

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

Feedback optimization:

+FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

Baseline Tuning Flags:

for C programs (except 252.eon):
 -fast +FDO shlw32m.lib
 for C++ program 252.eon:
 -fast -Qcxx_features +FDO shlw32m.lib

Peak Tuning Flags:

164.gzip: -fast -Qansi_alias -Oa +FDO
 175.vpr: -fast -Qansi_alias +FDO
 176.gcc: basepeak=yes
 181.mcf: basepeak=yes



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Notes/Tuning Information (Continued)

```
186.crafty: -fast -Qansi_alias -Oa +FDO
197.parser: -fast -Qansi_alias +FDO
252.eon: -fast +FDO
253.perlbnk: -fast -Qansi_alias +FDO shlw32M.lib
254.gap: basepeak=yes
255.vortex basepeak=yes
256.bzip2: -fast -Oa -Qunroll1 +FDO
300.twolf: -fast -O3 +FDO shlw32M.lib
```

Extra Libraries:

```
shlw32M.lib = Microquill SmartHeap Library 6.03a
see www.microquill.com
```

The system bus runs at 800 MHz

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