



CINT2000 Result

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Fujitsu Siemens Computers
CELSIUS M440, Intel Pentium 4 670

SPECint2000 = 1852
SPECint_base2000 = 1851

SPEC license #: 22 Tested by: Fujitsu Siemens Computers Test date: Dec-2005 Hardware Avail: Jul-2005 Software Avail: Sep-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	111	1261	111	1257	[Bar chart showing ratio bars for 164.gzip]			
175.vpr	1400	110	1278	108	1294	[Bar chart showing ratio bars for 175.vpr]			
176.gcc	1100	49.6	2218	50.3	2188	[Bar chart showing ratio bars for 176.gcc]			
181.mcf	1800	83.8	2147	83.6	2152	[Bar chart showing ratio bars for 181.mcf]			
186.crafty	1000	71.2	1405	71.2	1405	[Bar chart showing ratio bars for 186.crafty]			
197.parser	1800	114	1574	114	1576	[Bar chart showing ratio bars for 197.parser]			
252.eon	1300	54.6	2382	54.6	2383	[Bar chart showing ratio bars for 252.eon]			
253.perlbmk	1800	78.9	2281	79.0	2280	[Bar chart showing ratio bars for 253.perlbmk]			
254.gap	1100	53.8	2045	53.3	2062	[Bar chart showing ratio bars for 254.gap]			
255.vortex	1900	60.5	3142	60.5	3140	[Bar chart showing ratio bars for 255.vortex]			
256.bzip2	1500	107	1400	107	1399	[Bar chart showing ratio bars for 256.bzip2]			
300.twolf	3000	154	1946	154	1945	[Bar chart showing ratio bars for 300.twolf]			

Hardware

CPU: Intel Pentium 4 processor 670
 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: 2048KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4 GB (4x1 GB DDR2-533, 2rank, CL4-4-4, with ECC)
 Disk Subsystem: Serial ATA 7200 rpm
 Other Hardware:

Software

Operating System: Windows XP Professional, Service Pack 2
 Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.0, - Build 20050912Z Package ID: W_CC_C_9.0.024 Microsoft Visual Studio .NET 2003 (for libraries) MicroQuill SmartHeap Library 7.4
 File System: NTFS
 System State: Default

Notes/Tuning Information

Portability flags:

176.gcc: -Dalloca=_alloca /F10000000
 186.crafty: -DNT_i386
 253.perlbmk: -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:
 -fast +FDO shlw32m.lib
 for C++ program 252.eon:
 -fast -Qcxx_features +FDO

Peak Tuning Flags:

164.gzip: -fast +FDO
 175.vpr: -fast +FDO
 176.gcc: -fast +FDO
 181.mcf: -fast +FDO shlw32m.lib



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Notes/Tuning Information (Continued)

```
186.crafty: -fast +FDO
197.parser: -fast +FDO
252.eon: -fast -Qcxx_features +FDO
253.perlbnk: -fast +FDO shlw32M.lib
254.gap: -fast +FDO
255.vortex -fast +FDO shlw32M.lib
256.bzip2: -fast +FDO
300.twolf: -fast +FDO shlw32M.lib
```

Extra Libraries:

```
shlw32M.lib = Microquill SmartHeap Library 7.4
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>