



CINT2000 Result

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Fujitsu Siemens Computers
CELSIUS M440, Intel Pentium 4 640

SPECint2000 = 1585
SPECint_base2000 = 1584

SPEC license #: 22 Tested by: Fujitsu Siemens Computers Test date: Nov-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	131	1066	132	1063	[Bar chart showing ratio bars for 164.gzip]			
175.vpr	1400	127	1103	125	1119	[Bar chart showing ratio bars for 175.vpr]			
176.gcc	1100	58.5	1880	59.0	1865	[Bar chart showing ratio bars for 176.gcc]			
181.mcf	1800	91.8	1962	91.7	1963	[Bar chart showing ratio bars for 181.mcf]			
186.crafty	1000	84.5	1183	84.5	1183	[Bar chart showing ratio bars for 186.crafty]			
197.parser	1800	135	1338	134	1340	[Bar chart showing ratio bars for 197.parser]			
252.eon	1300	64.8	2006	64.8	2006	[Bar chart showing ratio bars for 252.eon]			
253.perlbmk	1800	93.2	1932	93.2	1932	[Bar chart showing ratio bars for 253.perlbmk]			
254.gap	1100	62.8	1751	62.5	1760	[Bar chart showing ratio bars for 254.gap]			
255.vortex	1900	70.1	2709	70.1	2709	[Bar chart showing ratio bars for 255.vortex]			
256.bzip2	1500	124	1205	125	1205	[Bar chart showing ratio bars for 256.bzip2]			
300.twolf	3000	183	1638	183	1638	[Bar chart showing ratio bars for 300.twolf]			

Hardware

CPU: Intel Pentium 4 processor 640
CPU MHz: 3200
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 -Qcxxx_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>