



CINT2000 Result

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Fujitsu Siemens Computers
CELSIUS M440, Intel dual-core Pentium D 820

SPECint2000 = 1323
SPECint_base2000 = 1321

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	
164.gzip	1400	149	937	150	935	
175.vpr	1400	164	855	161	870	
176.gcc	1100	69.0	1595	69.3	1587	
181.mcf	1800	132	1359	132	1359	
186.crafty	1000	96.4	1038	96.4	1038	
197.parser	1800	161	1120	161	1121	
252.eon	1300	73.8	1761	73.8	1761	
253.perlbmk	1800	107	1684	107	1683	
254.gap	1100	70.4	1563	69.9	1574	
255.vortex	1900	83.6	2272	83.6	2272	
256.bzip2	1500	157	956	157	956	
300.twolf	3000	217	1385	216	1386	

Hardware

CPU: Intel dual-core Pentium D processor 820
CPU MHz: 2800
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip, per core
Secondary Cache: 1024KB(I+D) on chip, per core
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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SPECint2000 =	1323
SPECint_base2000 =	1321

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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:
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