



CINT2000 Result

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Fujitsu Siemens Computers
CELSIUS R640, Intel Xeon 5110 processor

SPECint_rate2000 = 72.1
SPECint_rate_base2000 = 71.7

SPEC license #: 22 Tested by: Fujitsu Siemens Computers Test date: Aug-2006 Hardware Avail: Aug-2006 Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	144	45.3	4	143	45.3
175.vpr	4	124	52.4	4	122	53.3
176.gcc	4	62.2	82.1	4	62.2	82.1
181.mcf	4	116	72.0	4	116	71.9
186.crafty	4	68.7	67.6	4	67.9	68.3
197.parser	4	144	57.9	4	144	58.1
252.eon	4	62.7	96.2	4	62.7	96.2
253.perlbnk	4	93.2	89.6	4	93.1	89.7
254.gap	4	70.5	72.4	4	68.8	74.1
255.vortex	4	72.9	121	4	72.9	121
256.bzip2	4	130	53.4	4	130	53.5
300.twolf	4	166	83.9	4	166	83.9

Hardware

CPU: Intel Xeon 5110 processor (1.6 GHz, 1066 MHz system bus)
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2 chips
 Parallel: No
 Primary Cache: 32KBI + 32KBD on chip, per core
 Secondary Cache: 4096KB(I+D) on chip, per chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8 GB (8x1 GB DDRII 5300F, 2rank, CL5-5-5, with ECC)
 Disk Subsystem: Serial ATA 7200 rpm
 Other Hardware:

Software

Operating System: Windows XP, 64 bit Edition
 Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.1,
 - Build 20060519Z Package ID: W_CC_P_9.1.025
 Microsoft Visual Studio .NET 2003 (for libraries)
 MicroQuill SmartHeap Library, Version 8 (shlW32M.lib)
 File System: NTFS
 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:
 -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: basepeak=yes
 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.perlbmk: -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 8
see www.microquill.com

Compilation was done in
Windows XP Professional, Service Pack 2

Snoop Filter was enabled in BIOS

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