



CINT2000 Result

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Fujitsu Siemens Computers
CELSIUS R540, Intel Xeon 5160 processor

SPECint_rate2000 = 120
SPECint_rate_base2000 = 120

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	77.8	83.5	4	78.2	83.1
175.vpr	4	77.7	83.6	4	76.5	85.0
176.gcc	4	42.4	120	4	42.4	120
181.mcf	4	93.5	89.3	4	93.5	89.3
186.crafty	4	36.7	127	4	36.2	128
197.parser	4	81.6	102	4	81.3	103
252.eon	4	33.2	182	4	33.2	182
253.perlbnk	4	51.1	164	4	51.1	164
254.gap	4	44.7	114	4	44.8	114
255.vortex	4	44.0	200	4	44.0	200
256.bzip2	4	80.2	86.8	4	80.6	86.4
300.twolf	4	88.2	158	4	88.2	158

Hardware

CPU: Intel Xeon 5160 processor (3.0 GHz, 1333 MHz system bus)
CPU MHz: 3000
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: 4 GB (4x1 GB DDR2 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 -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 8
see www.microquill.com

Compilation was done in
Windows XP Professional, Service Pack 2

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