



CINT2000 Result

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Fujitsu Siemens Computers

PRIMERGY TX600 S3, Intel Xeon processor 7030, 2.80 GHz

SPECint_rate2000 = 89.9

SPECint_rate_base2000 = 89.9

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	8	155	83.6	8	155	83.6
175.vpr	8	245	53.0	8	245	53.0
176.gcc	8	98.1	104	8	98.1	104
181.mcf	8	556	30.1	8	556	30.1
186.crafty	8	97.0	95.7	8	97.0	95.7
197.parser	8	193	86.5	8	193	86.5
252.eon	8	68.2	177	8	68.2	177
253.perlbnk	8	118	141	8	118	141
254.gap	8	114	89.5	8	114	89.5
255.vortex	8	112	157	8	112	157
256.bzip2	8	244	57.1	8	244	57.1
300.twolf	8	229	122	8	229	122

Hardware

CPU: Intel Xeon processor 7030 (2.80 GHz, 2x1MB L2, 800 MHz system bus)
 CPU MHz: 2800
 FPU: Integrated
 CPU(s) enabled: 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 1,2,4
 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: 16x1GB DDRII-RAM PC2-3200R (CAS 3-3-3)
 Disk Subsystem: Fujitsu MAS3367NC (SCSI, 15krpm, 36GB)
 Other Hardware: none

Software

Operating System: Windows Server 2003 Enterprise Edition + SP1 (32-bit)
 Compiler: Intel C++ Compiler 9.1
 Build 20060323Z (for 32-bit applications),
 Microsoft Visual Studio .Net 2003
 7.1.3088 (for libraries),
 SmartHeap Library Version 8.0
 from <http://www.microquill.com>
 File System: NTFS
 System State: Default

Notes/Tuning Information

GENERAL

+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

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

Base tuning flags

for C programs: -fast +FDO shlw32m.lib
 for C++ programs: -fast -Qcxx_features +FDO shlw32m.lib

Peak tuning flags

same as baseline (basepeak=true set globally)

The system bus runs at 800 MHz

This result was measured with 32-bit binaries using the 32-bit version of the operating system.



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Notes/Tuning Information (Continued)

BIOS Configuration:

Hardware Prefetch = Enable, Adjacent Sector Prefetch = Disable

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