



CINT2000 Result

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Fujitsu Siemens Computers
PRIMERGY TX150 S4, Intel Pentium D 820

SPECint_rate2000 = 29.1
SPECint_rate_base2000 = 29.1

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Aug-2005 | Hardware Avail: Oct-2005 | Software Avail: Mar-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	150	21.6	2	150	21.6
175.vpr	2	172	18.8	2	172	18.8
176.gcc	2	71.0	35.9	2	71.0	35.9
181.mcf	2	178	23.5	2	178	23.5
186.crafy	2	96.6	24.0	2	96.6	24.0
197.parser	2	163	25.7	2	163	25.7
252.eon	2	78.0	38.7	2	78.0	38.7
253.perlbnk	2	109	38.3	2	109	38.3
254.gap	2	74.9	34.1	2	74.9	34.1
255.vortex	2	86.4	51.0	2	86.4	51.0
256.bzip2	2	163	21.3	2	163	21.3
300.twolf	2	219	31.8	2	219	31.8

Hardware

CPU: Intel Pentium D 820 (2.80 GHz, 800 MHz bus)
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: 4x2048 MB DDRII-RAM PC2-4300
Disk Subsystem: Fujitsu MAS3735NC (U320, 73GB, 15krpm)
Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise Edition + SP1
Compiler: Intel C++ Compiler 9.0 Build 20050722Z (for 32-bit applications)
Microsoft Visual Studio .Net 2003 7.1.3088 (for libraries)
SmartHeap Library Version 7.4 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.crafy: -DNT_i386
252.eon: Approved srcalt stdcpp is used
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

Peak tuning flags

same as baseline (basepeak=yes set globally)

New 32-bit Windows tools used, approved in May-2005

The system bus runs at 800 MHz



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Notes/Tuning Information (Continued)

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

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