



CINT2000 Result

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Fujitsu Siemens Computers

PRIMERGY RX300 S3, Intel Xeon 5140 processor, 2.33 GHz

SPECint_rate2000 = 99.4

SPECint_rate_base2000 = 99.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	99.4	65.3	4	99.4	65.3
175.vpr	4	90.2	72.1	4	90.2	72.1
176.gcc	4	48.4	105	4	48.4	105
181.mcf	4	89.6	93.2	4	89.6	93.2
186.crafy	4	47.0	98.7	4	47.0	98.7
197.parser	4	103	81.4	4	103	81.4
252.eon	4	43.2	140	4	43.2	140
253.perlbnk	4	66.1	126	4	66.1	126
254.gap	4	51.9	98.3	4	51.9	98.3
255.vortex	4	53.6	164	4	53.6	164
256.bzip2	4	97.7	71.3	4	97.7	71.3
300.twolf	4	113	123	4	113	123

Hardware

CPU: Intel Xeon 5140 processor (2.33 GHz, 4MB SLC, 1333 MHz system bus)
CPU MHz: 2333
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip, per core
Secondary Cache: 4096KB(I+D) on chip, per chip
L3 Cache: N/A
Other Cache: N/A
Memory: 8x1GB DDRII-RAM PC2-5300F (CAS 5-5-5)
Disk Subsystem: Seagate ST373454SS (SAS, 15.4krpm, 73GB)
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.crafy: -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 1333 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:

Adjacent Sector Prefetch = disable

This result was measured on the PRIMERGY TX300 S3. The PRIMERGY TX300 S3 and the PRIMERGY RX300 S3 are electronically equivalent.

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