CINT2000 Result

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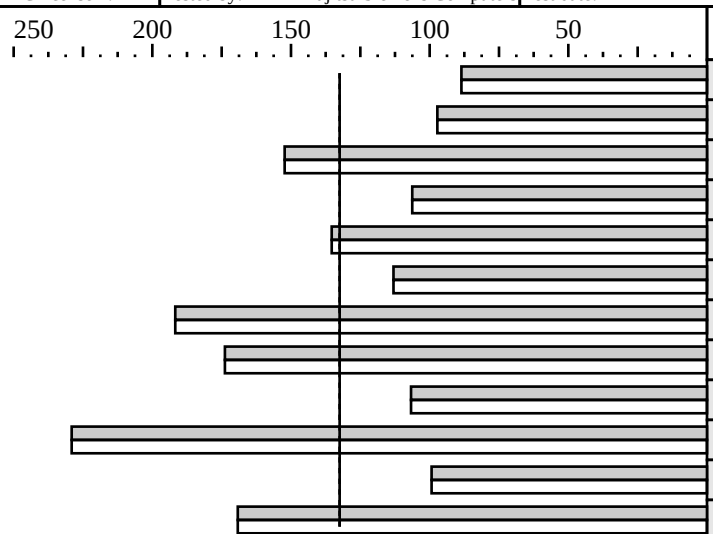
Fujitsu Siemens Computers

PRIMERGY TX300 S3, Intel Xeon processor E5310, 1.60 GHz

SPECint_rate2000 = 132

SPECint_rate_base2000 = 132

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	147	88.6	8	147	88.6
175.vpr	8	134	97.2	8	134	97.2
176.gcc	8	67.0	152	8	67.0	152
181.mcf	8	157	106	8	157	106
186.crafty	8	68.6	135	8	68.6	135
197.parser	8	148	113	8	148	113
252.eon	8	62.9	192	8	62.9	192
253.perlbmk	8	96.1	174	8	96.1	174
254.gap	8	95.7	107	8	95.7	107
255.vortex	8	77.0	229	8	77.0	229
256.bzip2	8	140	99.3	8	140	99.3
300.twolf	8	165	169	8	165	169

Hardware

CPU:	Intel Xeon processor E5310 (1.60 GHz, 2x4MB L2, 1066 MHz system bus)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 4 cores/chip
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	32KB(I) + 32KB(D) on chip, per core
Secondary Cache:	8MB(I+D) on chip, per chip (4MB shared per 2 cores)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x1GB DDR2-RAM PC2-4200F (CAS 4-4-4)
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.crafty:  -DNT_i386
   253.perlbmk: -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 1066 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 RX300 S3. The PRIMERGY TX300 S3 and the PRIMERGY RX300 S3 are electronically equivalent.

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