



CINT2000 Result

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Fujitsu Siemens Computers
CELSIUS R630, Intel Xeon 3.6 GHz

SPECint_rate2000 = 38.3
SPECint_rate_base2000 = 38.2

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Feb-2005 | Hardware Avail: Mar-2005 | Software Avail: Nov-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	118	27.4	2	119	27.3
175.vpr	2	125	26.1	2	122	26.7
176.gcc	2	55.0	46.4	2	55.0	46.4
181.mcf	2	113	37.1	2	113	37.1
186.crafty	2	75.0	30.9	2	75.4	30.8
197.parser	2	125	33.5	2	124	33.6
252.eon	2	58.9	51.2	2	58.4	51.7
253.perlbnk	2	87.1	48.0	2	86.9	48.1
254.gap	2	66.2	38.6	2	66.2	38.6
255.vortex	2	66.7	66.1	2	66.7	66.1
256.bzip2	2	121	28.7	2	121	28.8
300.twolf	2	167	41.6	2	167	41.6

Hardware

CPU: Intel Xeon (3.6 GHz, 800 MHz bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip
Secondary Cache: 2048KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4 GB (8x512 MB DDRII 400, CL3-3-3, with ECC)
Disk Subsystem: Fujitsu MAP3367NP (SCSI Ultra 320)
Other Hardware:

Software

Operating System: Windows XP Professional, Service Pack 2
Compiler: Intel(R) C++ Compiler, Version 8.1,
- Build 20041019Z, Package ID: W_CC_PU_8.1.020
Microsoft Visual Studio .NET 7.0 (for libraries)
MicroQuill SmartHeap Library 6.03a
File System: FAT32
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 (except 252.eon):
-fast +FDO shlw32M.lib
for C++ program 252.eon:
-fast -Qcxx_features +FDO shlw32M.lib

Peak Tuning Flags:

164.gzip: -fast -Qansi_alias -Oa +FDO
175.vpr: -fast -Qansi_alias +FDO
176.gcc: basepeak=yes
181.mcf: basepeak=yes



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Notes/Tuning Information (Continued)

```
186.crafty: -fast -Qansi_alias -Oa +FDO
197.parser: -fast -Qansi_alias +FDO
252.eon: -fast +FDO
253.perlbmk: -fast -Qansi_alias +FDO shlw32M.lib
254.gap: basepeak=yes
255.vortex basepeak=yes
256.bzip2: -fast -Oa -Qunroll1 +FDO
300.twolf: -fast -O3 +FDO shlw32M.lib
```

Extra Libraries:

```
shlw32M.lib = Microquill SmartHeap Library 6.03a
see www.microquill.com
```

The system bus runs at 800 MHz

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