CINT2000 Result

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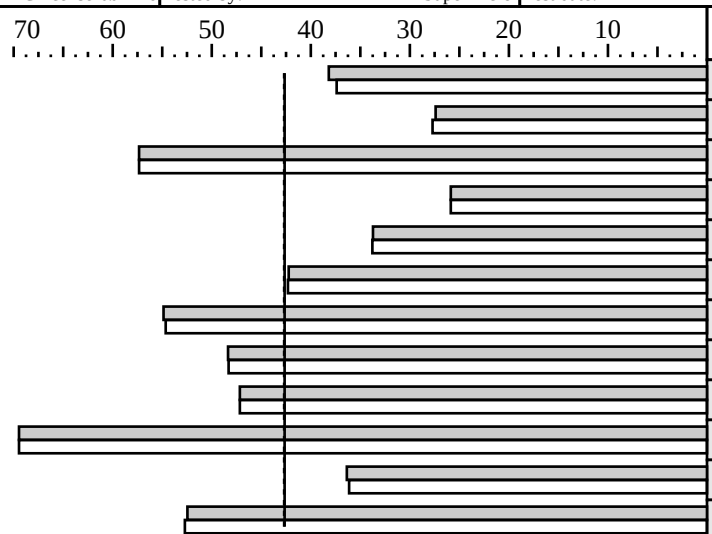
Supermicro
X6DH3-G2 Motherboard

SPECint_rate2000 = 42.6

SPECint_rate_base2000 = 42.7

SPEC license #01176 | Tested by: Supermicro | Test date: Sep-2005 | Hardware Avail: Sep-2005 | Software Avail: Apr-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	170	38.2	4	174	37.4
175.vpr	4	237	27.4	4	234	27.7
176.gcc	4	89.0	57.3	4	89.0	57.3
181.mcf	4	323	25.9	4	323	25.9
186.crafty	4	138	33.7	4	137	33.8
197.parser	4	198	42.2	4	197	42.3
252.eon	4	110	54.9	4	110	54.7
253.perlbmk	4	173	48.4	4	173	48.3
254.gap	4	108	47.2	4	108	47.2
255.vortex	4	127	69.5	4	127	69.5
256.bzip2	4	191	36.4	4	193	36.1
300.twolf	4	265	52.5	4	264	52.7

Hardware

CPU:	Intel Xeon Processor (3.80 GHz, 2MB L2, 800 MHz bus)
CPU MHz:	3800
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology Enabled)
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:	8 x 2.0GB SMART DDR2 400MHz ECC
Disk Subsystem:	1 X 250GB Western Digital WD2500JD-00GBB0 SATA HDD
Other Hardware:	N/A

Software

Operating System:	Windows Server 2003 EE SP1
Compiler:	Intel C++ Compiler 9.0 Build 20050430Z (32-bit) Microsoft Visual Studio .Net 2003(for libraries) SmartHeap Library Version 7.4 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -fast +FDO shlW32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlW32M.lib
shlW32M.lib is the SmartHeap Library
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -DNT_i386
252.eon:   Approved stdcpp src.alt used
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip:     -fast -Qansi_alias -Oa  +FDO
175.vpr:      -fast -Qansi_alias +FDO
176.gcc:      basepeak=yes
181.mcf:      basepeak=yes
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
```

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Notes/Tuning Information (Continued)

```
255.vortex    basepeak=yes
256.bzip2:   -fast -Oa -Qunroll1 +FDO
300.twolf:    -fast -O3 +FDO shlW32M.lib
New 32-bt Windows tools used, approved in May-2005
Tested system was built with SC823T-R500RC Chassis.
Product description located as of:
http://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DH3-G2.cfm
The system bus runs at 800MHz
```