



CINT2000 Result

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Supermicro X6DHE/8-G2 Motherboard

SPECint_rate2000 = 42.2

SPECint_rate_base2000 = 42.3

SPEC license #01176 | Tested by: Supermicro | Test date: Oct-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	173	37.6
175.vpr	4	240	27.0	4	237	27.4
176.gcc	4	89.0	57.3	4	89.0	57.3
181.mcf	4	345	24.2	4	345	24.2
186.crafty	4	139	33.5	4	139	33.4
197.parser	4	199	42.0	4	199	42.0
252.eon	4	110	54.7	4	111	54.6
253.perlbnk	4	172	48.5	4	173	48.4
254.gap	4	109	46.7	4	109	46.7
255.vortex	4	127	69.2	4	127	69.2
256.bzip2	4	194	35.8	4	195	35.7
300.twolf	4	263	53.0	4	264	52.8

Hardware

CPU: Intel Xeon 3.8GHz processor (3.8 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: 8GB (8x1GB DDR2-400 ECC REG)
Disk Subsystem: 1 X 40GB IDE
Other Hardware: N/A

Software

Operating System: Windows 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.crafty: -DNT_i386
252.eon: Approved stdcpp src.alt used
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDDL /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.perlbnk: -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-bit Windows tools used, approved in May-2005
Tested system was built with SC743S1-R760 Chassis.
Product description located as of:
<http://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DH8-G2.cfm>
The system bus runs at 800MHz