



# CINT2000 Result

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## Supermicro X6DH3-G2 Motherboard

SPECint2000 = 1775  
SPECint\_base2000 = 1775

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	113	1244	114	1229	[Bar chart]			
175.vpr	1400	119	1180	116	1210	[Bar chart]			
176.gcc	1100	51.5	2135	51.5	2135	[Bar chart]			
181.mcf	1800	95.0	1894	95.0	1894	[Bar chart]			
186.crafty	1000	72.5	1379	73.0	1370	[Bar chart]			
197.parser	1800	119	1514	118	1521	[Bar chart]			
252.eon	1300	55.1	2359	55.3	2353	[Bar chart]			
253.perlbmk	1800	79.8	2254	80.2	2244	[Bar chart]			
254.gap	1100	55.5	1983	55.5	1983	[Bar chart]			
255.vortex	1900	64.9	2929	64.9	2929	[Bar chart]			
256.bzip2	1500	112	1336	113	1328	[Bar chart]			
300.twolf	3000	157	1910	157	1911	[Bar chart]			

### Hardware

CPU: Intel Xeon Processor (3.80 GHz, 2MB L2, 800 MHz bus)  
CPU MHz: 3800  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology Disabled)  
CPU(s) orderable: 1  
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.crafty: -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-bit 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