



CINT2000 Result

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Supermicro X6DHR-3G2 Motherboard

SPECint2000 = 1763
SPECint_base2000 = 1767

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	113	1243	114	1224	
175.vpr	1400	117	1198	116	1209	
176.gcc	1100	52.2	2107	52.2	2107	
181.mcf	1800	98.7	1824	98.7	1824	
186.crafty	1000	72.8	1374	73.2	1366	
197.parser	1800	119	1518	119	1518	
252.eon	1300	55.2	2354	55.4	2346	
253.perlbmk	1800	80.4	2238	81.0	2223	
254.gap	1100	55.6	1978	55.6	1978	
255.vortex	1900	65.1	2920	65.1	2920	
256.bzip2	1500	112	1339	113	1330	
300.twolf	3000	157	1908	157	1908	

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 w/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 SC813T-500 Chassis.
Product description located as of:
<http://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DHR-3G2.cfm>
The system bus runs at 800MHz