



CINT2000 Result

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Supermicro X6DHR-8G2

SPECint2000 = 1519
SPECint_base2000 = 1514

SPEC license #01176 Tested by: Supermicro Test date: Apr-2005 Hardware Avail: Dec-2004 Software Avail: Aug-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	117	1195	118	1182	[Bar chart showing ratio 1182]			
175.vpr	1400	148	948	145	966	[Bar chart showing ratio 966]			
176.gcc	1100	58.7	1874	58.7	1874	[Bar chart showing ratio 1874]			
181.mcf	1800	149	1210	149	1210	[Bar chart showing ratio 1210]			
186.crafty	1000	75.7	1321	76.0	1315	[Bar chart showing ratio 1315]			
197.parser	1800	136	1324	135	1333	[Bar chart showing ratio 1333]			
252.eon	1300	63.0	2062	60.9	2134	[Bar chart showing ratio 2134]			
253.perlbmk	1800	97.7	1842	97.9	1839	[Bar chart showing ratio 1839]			
254.gap	1100	59.8	1841	59.8	1841	[Bar chart showing ratio 1841]			
255.vortex	1900	74.3	2557	74.3	2557	[Bar chart showing ratio 2557]			
256.bzip2	1500	140	1073	141	1064	[Bar chart showing ratio 1064]			
300.twolf	3000	177	1690	178	1688	[Bar chart showing ratio 1688]			

Hardware

CPU: Intel Xeon processor (3.6 GHz, 800 MHz System bus)
CPU MHz: 3600
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: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 8X 1GB Apacer DDRII 400 REG ECC CL3
Disk Subsystem: 250GB Maxtor IDE
Other Hardware:

Software

Operating System: Windows Server 2003 EE
Compiler: Intel C++ Compiler 8.1 Build 20040802Z
Microsoft Visual Studio .Net 2003(for libraries)
SmartHeap Library Version 6.0 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
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
255.vortex: basepeak=yes
```



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Notes/Tuning Information (Continued)

256.bzip2: -fast -Oa -Qunroll11 +FDO

300.twolf: -fast -O3 +FDO shlw32M.lib

Tested system can be used with a 420W (minimum) ATX power supply [8-pin (+12V) and 24-pin are required]

The system bus runs at 800 MHz