



CINT2000 Result

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SuperMicro
X6DVL-EG2 (3.6GHz, Intel Xeon)

SPECint2000 = 1518
SPECint_base2000 = 1508

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	
164.gzip	1400	117	1200	118	1189	
175.vpr	1400	149	941	145	968	
176.gcc	1100	58.8	1871	58.8	1871	
181.mcf	1800	161	1116	161	1116	
186.crafty	1000	74.9	1335	75.1	1331	
197.parser	1800	135	1329	134	1341	
252.eon	1300	62.8	2071	60.6	2147	
253.perlbnk	1800	97.4	1849	97.3	1851	
254.gap	1100	59.5	1849	59.5	1849	
255.vortex	1900	72.8	2610	72.8	2610	
256.bzip2	1500	143	1047	141	1062	
300.twolf	3000	176	1708	175	1711	

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: 4x1GB DDR2-400 REG ECC CL3
 Disk Subsystem: 1x40GB 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.perlbnk: -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.perlbnk: -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