



CINT2000 Result

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Supermicro

Motherboard X7DB8(2.00GHz, Intel Xeon E5335 processor)

SPECint2000 = 2127

SPECint_base2000 = 2123

SPEC license #01176 Tested by: Supermicro Test date: Nov-2006 Hardware Avail: Nov-2006 Software Avail: Mar-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	112	1249	112	1251	[Bar chart showing ratio]			
175.vpr	1400	89.8	1560	87.7	1596	[Bar chart showing ratio]			
176.gcc	1100	48.2	2283	48.2	2283	[Bar chart showing ratio]			
181.mcf	1800	51.0	3532	51.0	3532	[Bar chart showing ratio]			
186.crafty	1000	53.9	1854	54.1	1849	[Bar chart showing ratio]			
197.parser	1800	115	1565	115	1563	[Bar chart showing ratio]			
252.eon	1300	50.0	2600	49.7	2617	[Bar chart showing ratio]			
253.perlbmk	1800	72.7	2476	72.8	2471	[Bar chart showing ratio]			
254.gap	1100	51.5	2135	51.5	2135	[Bar chart showing ratio]			
255.vortex	1900	52.9	3594	52.9	3594	[Bar chart showing ratio]			
256.bzip2	1500	92.7	1618	93.0	1614	[Bar chart showing ratio]			
300.twolf	3000	130	2303	130	2302	[Bar chart showing ratio]			

Hardware

CPU: Intel Xeon E5335 processor (2.00 GHz,1333MHz bus)
CPU MHz: 2000
FPU: Integrated
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip
CPU(s) orderable: 1 chip
Parallel: N/A
Primary Cache: 32KBI + 32KBD on chip per core
Secondary Cache: 8MB(I+D) on chip, per chip (4MB shared per 2 cores)
L3 Cache: N/A
Other Cache: N/A
Memory: 8 X 2GB DDR2 ECC CL5 667MHz FBDIMM
Disk Subsystem: 1 X Seagate Barracuda 120GB 7200 RPM
Other Hardware: N/A

Software

Operating System: Windows Server 2003 Enterprise Edition 32-bits w/ SP1
Compiler: Intel C++ Compiler 9.1 for 32-bit applications
Build 20060323Z Package ID: W_CC_P_9.1.020
Microsoft Visual Studio 2005(for libraries)
SmartHeap Library Version 8.0 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 shlw32M.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
252.eon: -DHAS_ERRLIST
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 systems can be used with SC816S-R700 case,
To ensure system stability, a 500W (minimum) ATX power supply [4-pin (+12V), 8-pin (+12V) and 24-pin are required]
Product description located as of <http://www.supermicro.com/products/motherboard/Xeon1333/5000P/X7DB8.cfm>

The system bus runs at 1333 MHz

shlw32m-80.lib is the V8.0 SmartHeap library renamed to co-exist with older versions