CINT2000 Result

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Supermicro

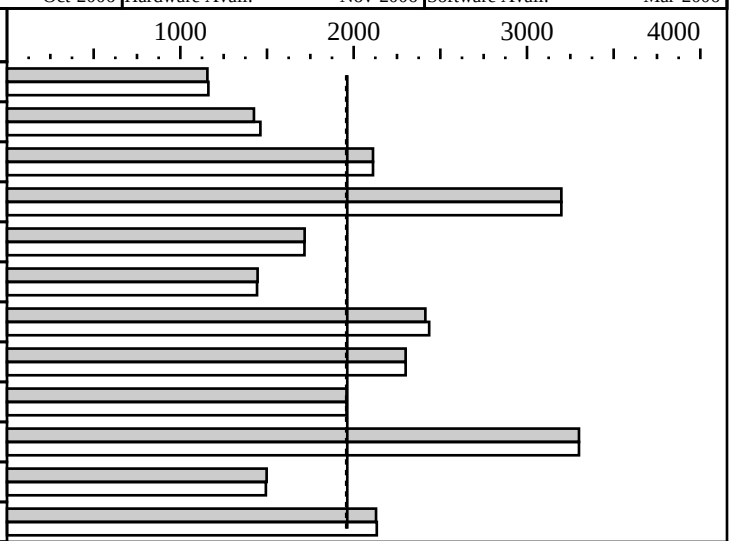
Motherboard X7DB8(1.86GHz, Intel Xeon E5320 processor)

SPECint2000 = 1963

SPECint_base2000 = 1957

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	121	1156	121	1162
175.vpr	1400	98.3	1425	95.8	1462
176.gcc	1100	52.1	2112	52.1	2112
181.mcf	1800	56.3	3198	56.3	3198
186.crafty	1000	58.2	1717	58.3	1716
197.parser	1800	125	1446	125	1443
252.eon	1300	53.9	2414	53.4	2436
253.perlbmk	1800	78.3	2300	78.3	2300
254.gap	1100	56.2	1959	56.2	1959
255.vortex	1900	57.6	3300	57.6	3300
256.bzip2	1500	100	1498	100	1493
300.twolf	3000	141	2129	141	2133



Hardware

CPU:	Intel Xeon E5320 processor (1.86 GHz,1066MHz bus)
CPU MHz:	1860
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:	8 MB I+D on chip, per chip (4 MB 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.crafy: -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 -Qunroll1 +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 1066 MHz
     shlw32m-80.lib is the V8.0 SmartHeap library renamed to co-exist with older versions
```