CINT2000 Result

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Supermicro

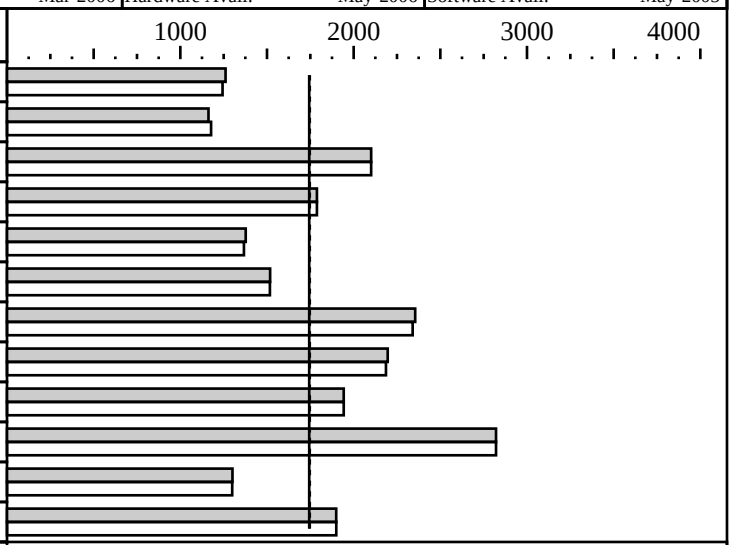
Motherboard X7DBR-8+ (3.73GHz, Intel Dual-Core Xeon processor 5080)

SPECint2000 = 1744

SPECint_base2000 = 1747

SPEC license #01176 | Tested by: Supermicro | Test date: Mar-2006 | Hardware Avail: May-2006 | Software Avail: May-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	111	1261	113	1244
175.vpr	1400	120	1162	119	1177
176.gcc	1100	52.4	2101	52.4	2101
181.mcf	1800	101	1788	101	1788
186.crafty	1000	72.6	1377	73.2	1367
197.parser	1800	119	1518	119	1517
252.eon	1300	55.2	2355	55.5	2340
253.perlbmk	1800	82.0	2196	82.3	2186
254.gap	1100	56.6	1943	56.6	1943
255.vortex	1900	67.3	2821	67.3	2821
256.bzip2	1500	115	1301	115	1299
300.twolf	3000	158	1899	158	1900



Hardware

CPU:	Intel Dual-Core Xeon processor 5080 (3.73 GHz, 2x2MB L2, 1066MHz bus)
CPU MHz:	3733
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD (on chip) per core
Secondary Cache:	2MB(I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	16x1GB ECC DDR2-5300 CL5 FB-DRAM
Disk Subsystem:	1x120GB 7200RPM ATA HDD
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise Edition 32-bits w/ SP1
Compiler:	Intel C++ Compiler 9.0 for 32-bit applications 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
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -DNT_i386
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
256.bzip2:   -fast -Oa -Qunroll1 +FDO
```

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Notes/Tuning Information (Continued)

300.twolf: -fast -O3 +FDO shlW32M.lib

Tested systems can be used with SC815S-700V case,

To ensure system stability, a 560W (minimum) ATX power supply [4-pin (+12V), 8-pin (+12V) and 24-pin are required]

Product description located as of X7BR-8+: http://www.supermicro.com/products/motherboard/Xeon1333/5000P/X7DBR-8+.cfm

The system bus runs at 1066 MHz