CINT2000 Result

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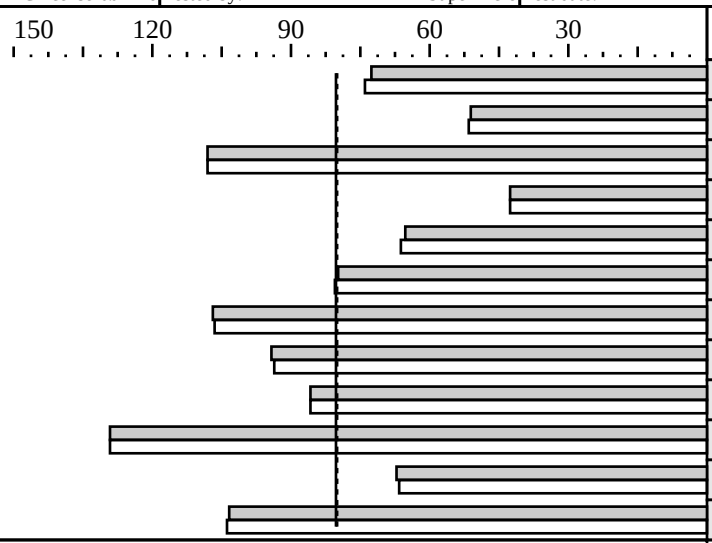
Supermicro

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

SPECint_rate2000 = 80.3

SPECint_rate_base2000 = 80.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	179	72.6	8	176	74.0
175.vpr	8	254	51.1	8	252	51.5
176.gcc	8	94.5	108	8	94.5	108
181.mcf	8	392	42.6	8	392	42.6
186.crafty	8	142	65.3	8	140	66.2
197.parser	8	209	79.8	8	208	80.5
252.eon	8	113	107	8	113	107
253.perlbmk	8	177	94.2	8	178	93.6
254.gap	8	119	85.8	8	119	85.8
255.vortex	8	137	129	8	137	129
256.bzip2	8	207	67.2	8	209	66.6
300.twolf	8	269	103	8	268	104

Hardware

CPU:	Intel Dual-Core Xeon processor 5080 (3.73 GHz, 2x2MB L2, 1066MHz bus)
CPU MHz:	3733
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology enabled)
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