CINT2000 Result

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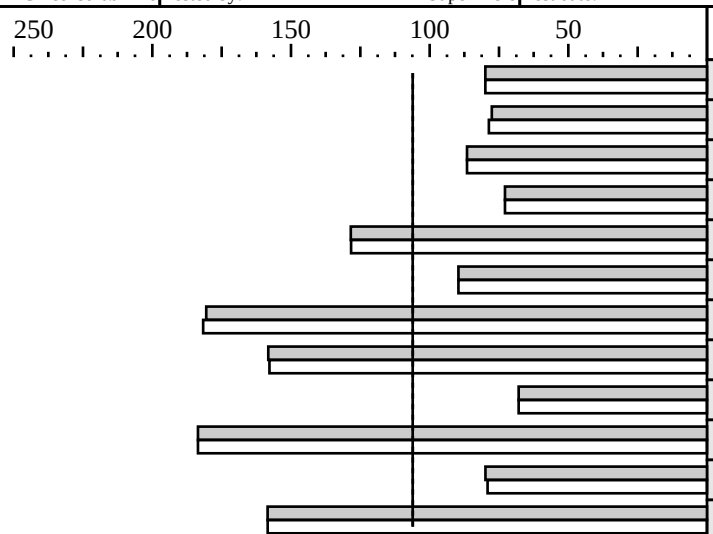
Supermicro

Motherboard X7DAL-E(3.00GHz, Intel Xeon 5160 processor)

SPECint_rate2000 = 106

SPECint_rate_base2000 = 106

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	81.3	79.9	4	81.3	79.9
175.vpr	4	83.7	77.6	4	82.6	78.7
176.gcc	4	59.0	86.5	4	59.0	86.5
181.mcf	4	115	72.8	4	115	72.8
186.crafty	4	36.1	128	4	36.2	128
197.parser	4	93.2	89.6	4	93.2	89.6
252.eon	4	33.4	181	4	33.2	182
253.perlbmk	4	52.8	158	4	52.9	158
254.gap	4	75.2	67.9	4	75.2	67.9
255.vortex	4	48.0	184	4	48.0	184
256.bzip2	4	87.1	79.9	4	88.0	79.1
300.twolf	4	87.9	158	4	87.9	158

Hardware

CPU:	Intel Xeon 5160 processor (3.00GHz, 4MB L2 shared, 1333 MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	32KBI + 32KBD on chip per core
Secondary Cache:	4MB(I+D) on chip, per chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 X 2GB 667MHz CL5 DDR2 FB-DIMM
Disk Subsystem:	Seagate Barracuda 7200.9 120GB IDE, 7200RPM
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
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
Use Nvidia Quadro FX 3400 PCI-E Graphic Card.
Tested systems can be used with SC825TQ-R700LPV 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 X7DAL: http://www.supermicro.com/products/motherboard/Xeon1333/5000X/X7DAL-E.cfm
The system bus runs at 1333 MHz