CINT2000 Result

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Supermicro

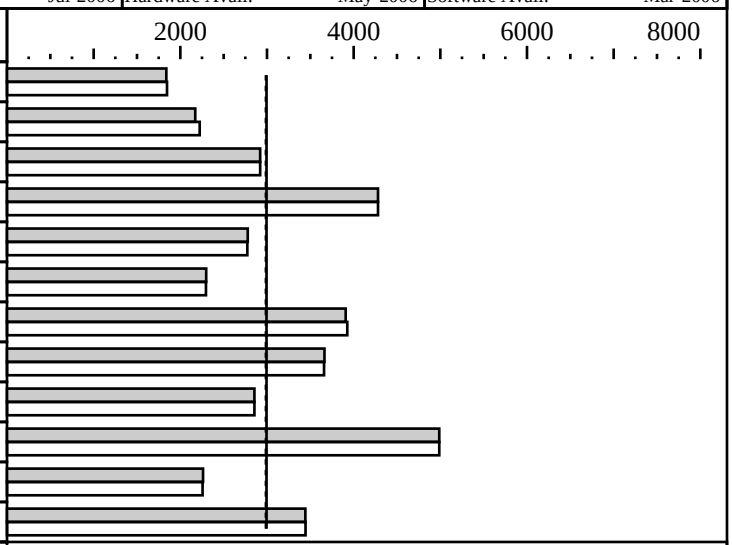
Motherboard X7DVA-E/8(3.00GHz, Intel Xeon 5160 processor)

SPECint2000 = 2994

SPECint_base2000 = 2988

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	76.2	1838	75.8	1846
175.vpr	1400	64.5	2172	63.0	2223
176.gcc	1100	37.7	2921	37.7	2921
181.mcf	1800	42.0	4281	42.0	4281
186.crafty	1000	36.0	2778	36.1	2773
197.parser	1800	78.3	2298	78.4	2296
252.eon	1300	33.3	3908	33.1	3926
253.perlbmk	1800	49.1	3663	49.2	3658
254.gap	1100	38.5	2855	38.5	2855
255.vortex	1900	38.1	4988	38.1	4988
256.bzip2	1500	66.3	2262	66.5	2257
300.twolf	3000	87.1	3443	87.1	3445



Hardware

CPU:	Intel Xeon 5160 processor (3.00 GHz,1333MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	32KBI + 32KBD on chip (per chip)
Secondary Cache:	4MB(I+D) on chip shared
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

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+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 SC811S-520 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 X7DVA: http://www.supermicro.com/products/motherboard/Xeon1333/5000V/X7DVA-8.cfm
The system bus runs at 1333 MHz