



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.perlbnk	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.perlbnk: -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.perlbnk: -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 -Qunroll11 +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