



CINT2000 Result

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Advanced Micro Devices
ASUS A7V Motherboard, 1.3GHz Athlon Processor

SPECint2000 = 491
SPECint_base2000 = 438

SPEC license #: 49 Tested by: AMD Austin TX Test date: Mar-2001 Hardware Avail: Apr-2001 Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	274	510	229	611	
175.vpr	1400	517	271	461	304	
176.gcc	1100	415	265	287	383	
181.mcf	1800	894	201	885	203	
186.crafty	1000	146	683	136	734	
197.parser	1800	453	397	452	398	
252.eon	1300	173	750	114	1144	
253.perlbnk	1800	249	722	233	774	
254.gap	1100	232	475	232	475	
255.vortex	1900	252	753	240	793	
256.bzip2	1500	421	356	404	371	
300.twolf	3000	827	363	798	376	

Hardware

CPU: 1.3GHz AMD Athlon processor A1300AMS3B
CPU MHz: 1300
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 64KBI + 64KBD on chip
Secondary Cache: 256KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 2x128MB PC133 SDRAM CL2 2 banks per DIMM
Disk Subsystem: WDC WD153BA
Other Hardware: None

Software

Operating System: Windows 2000
Compiler: Intel C 5.0 Microsoft Visual Studio 6.0 (libraries)
MicroQuill Smartheap Library 5.0
File System: FAT32
System State: Default

Notes/Tuning Information

shlW32M.lib is the SmartHeap library V5.0 from MicroQuill www.microquill.com

+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

Portability:

176.gcc: -Dalloca=_alloca /F10000000

186.crafty: -DNT_i386

253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT

254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Baseline C: -QaxK -Qipo +FDO shlW32M.lib

Baseline C++: -QaxK -Qipo -GX -GR

Peak tuning:

164.gzip: -Qxi -Qipo -Oi- +FDO

175.vpr: -Qxi -QaxK -Qwp_ipo +FDO

176.gcc: -QxiM -QaxK -Qipo -Oi- +FDO shlW32M.lib

181.mcf: -Qxi -QaxK -Qwp_ipo +FDO

186.crafty: -Qxi -Qwp_ipo +FDO

197.parser: -Qxi -QaxK -Qwp_ipo +FDO

252.eon: -QxiM -Qwp_ipo +FDO

253.perlbnk: -QxiM -Qwp_ipo +FDO shlW32M.lib

254.gap: -QaxK -Qwp_ipo +FDO shlW32M.lib

255.vortex: -QxiM -Qwp_ipo -Oa -Oi- +FDO shlW32M.lib

Standard Performance Evaluation Corporation

info@spec.org

<http://www.spec.org>



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Notes/Tuning Information (Continued)

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256.bzip2:    -Qxi -QaxK -Oa -Qwp_ipo  
300.twolf:    -Qxi -QaxK -Qwp_ipo -Oa +FDO shlw32M.lib  
ONESTEP is used for all base and peak runs
```

The tested system can be assembled using an ATX case such as the Antec KS-282, a 300W power supply such as the Sparkle FSP300-60GT, and a PCI or AGP video card. The System bus runs at 200MHz