



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Advanced Micro Devices

ASUS A7N8X (REV 1.02) Motherboard, AMD Athlon (TM) XP 2700+

SPECint2000 = 913

SPECint_base2000 = 878

SPEC license #: 49 Tested by: AMD Sunnyvale, CA Test date: Sep-2002 Hardware Avail: Dec-2002 Software Avail: Sep-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	129	1089	128	1097	
175.vpr	1400	272	515	251	557	
176.gcc	1100	176	624	149	739	
181.mcf	1800	450	400	450	400	
186.crafty	1000	79.1	1264	79.0	1265	
197.parser	1800	226	798	225	800	
252.eon	1300	74.1	1755	67.0	1940	
253.perlbnk	1800	137	1317	137	1317	
254.gap	1100	106	1039	106	1039	
255.vortex	1900	138	1379	132	1437	
256.bzip2	1500	214	702	203	739	
300.twolf	3000	472	635	464	646	

Hardware

CPU: AMD Athlon (TM) XP 2700+
 CPU MHz: 2166
 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: 2x256MB PC2700 DDR SDRAM CL2.5
 Disk Subsystem: Western Digital WD1200
 Other Hardware: None

Software

Operating System: Windows XP Pro, SP 1
 Compiler: Intel C++ 5.0.1 build 020125Z
 Microsoft Visual Studio 6.0 SP5 (libraries)
 MicroQuill SmartHeap Library 5.0
 File System: NTFS
 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: -QxK -Qipo +FDO shlw32M.lib

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

Peak tuning:

164.gzip: -O3 -QxK -Qwp_ipo -Oi- -Oa +FDO

175.vpr: -O3 -Qxi -QaxK -Qwp_ipo +FDO

176.gcc: -O3 -QxK -Qwp_ipo -Oi- +FDO shlw32M.lib

181.mcf: -O3 -QxK -Qwp_ipo +FDO shlw32M.lib

186.crafty: -O3 -QxK -Qwp_ipo -Oa +FDO shlw32M.lib

197.parser: -O3 -QxK -Qwp_ipo +FDO

252.eon: -O3 -QxK -Qwp_ipo +FDO

253.perlbnk: -O3 -QxK -Qipo +FDO shlw32M.lib

254.gap: -O3 -QxK -Qipo -Oi- +FDO

255.vortex: -O3 -QxK -Qwp_ipo +FDO

Standard Performance Evaluation Corporation

info@spec.org

<http://www.spec.org>



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Advanced Micro Devices

ASUS A7N8X (REV 1.02) Motherboard, AMD Athlon (TM) XP 2700+

SPECint2000 = 913

SPECint_base2000 = 878

SPEC license #: 49 | Tested by: AMD Sunnyvale, CA | Test date: Sep-2002 | Hardware Avail: Dec-2002 | Software Avail: Sep-2002

Notes/Tuning Information (Continued)

```
256.bzip2:    -O3 -QxK -Oa -Qwp_ipo
300.twolf:    -O3 -QxK -Qipo -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 333MHz. The two SDRAMs were used in a dual-channel configuration.