



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Advanced Micro Devices
ASUS M2N-LR/SATA, AMD Opteron (TM) 1220SE

SPECint_rate2000 = 43.4
SPECint_rate_base2000 = 38.2

SPEC license #: 49 | Tested by: AMD Austin, TX | Test date: Jul-2006 | Hardware Avail: Sep-2006 | Software Avail: Sep-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	104	31.4	2	90.8	35.8
175.vpr	2	118	27.5	2	95.3	34.1
176.gcc	2	81.8	31.2	2	58.5	43.7
181.mcf	2	184	22.7	2	138	30.4
186.crafty	2	53.1	43.7	2	50.6	45.8
197.parser	2	106	39.5	2	106	39.4
252.eon	2	50.4	59.8	2	45.3	66.6
253.perlbnk	2	88.1	47.4	2	86.1	48.5
254.gap	2	61.3	41.7	2	61.3	41.7
255.vortex	2	74.1	59.5	2	69.1	63.8
256.bzip2	2	105	33.1	2	103	33.9
300.twolf	2	178	39.2	2	133	52.2

Hardware

CPU: AMD Opteron (TM) 1220SE
 CPU MHz: 2800
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1
 Parallel: no
 Primary Cache: 64KBI + 64KBD on chip per core
 Secondary Cache: 1024KB (I+D) on chip per core
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 2x1024MB, DDR2-800 CL3
 Disk Subsystem: IDE, 120GB
 Other Hardware: None

Software

Operating System: Windows Server 2003 Enterprise edition SP1 (64-bit)
 Compiler: Intel C++ 9.0 build 20050912Z for IA32
 Microsoft Visual Studio .NET 7.0.9466 (libraries)
 MicroQuill Smartheap Library 7.0
 File System: NTFS
 System State: default

Notes/Tuning Information

shlw32M.lib is the SmartHeap library V7.0 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: -O3 -Qipo -Op +FDO

Baseline C++: -O3 -Qipo -Qcxx-features +FDO

Peak Tuning:

164.gzip: -O3 -Qipo -QxW +FDO

175.vpr: -O3 -Qipo -QxW +FDO

-Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500

176.gcc: -O3 -Qipo -QxW -Oi- -Qunroll13 +FDO

181.mcf: -O3 -Qipo -QaxN +FDO

186.crafty: -O3 -Qipo -QxW +FDO

197.parser: -QxW +FDO -Oi- -Qipo

252.eon: -O3 -Qipo -QxW +FDO -Qansi_alias

-Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500

253.perlbnk: -O3 -Qipo -QxW +FDO

Standard Performance Evaluation Corporation

info@spec.org

<http://www.spec.org>



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Advanced Micro Devices
ASUS M2N-LR/SATA, AMD Opteron (TM) 1220SE

SPECint_rate2000 = 43.4
SPECint_rate_base2000 = 38.2

SPEC license #: 49 | Tested by: AMD Austin, TX | Test date: Jul-2006 | Hardware Avail: Sep-2006 | Software Avail: Sep-2005

Notes/Tuning Information (Continued)

```
254.gap:          basepeak = yes
255.vortex:      -O3 -Qipo -arch:SSE +FDO -Oi- shlw32M.lib
                 -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
256.bzip2:       -O3 -Qipo          -Qunroll2
300.twolf:       -O3 -Qipo -QxW +FDO    -Qunroll13 shlw32M.lib -Qansi_alias
The tested system can be assembled using a standard ATX case and an Antec True 550
watt EPS12V Power Supply.
Half memory slots populated in dual channel configuration.
'start /b /wait /affinity' command is used to bind CPU(s) to processes
```