



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Advanced Micro Devices

TYAN Thunder K8SD Pro (S2882-D), AMD Opteron(TM) 285

SPECint_rate2000 = 79.6

SPECint_rate_base2000 = 69.2

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

150 120 90 60 30					Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
					164.gzip	4	113	57.4	4	99.6	65.2
					175.vpr	4	125	51.8	4	101	64.1
					176.gcc	4	84.8	60.2	4	59.7	85.5
					181.mcf	4	208	40.2	4	152	54.8
					186.crafty	4	57.4	80.9	4	54.7	84.8
					197.parser	4	117	71.6	4	117	71.6
					252.eon	4	54.8	110	4	48.9	123
					253.perlbnk	4	95.7	87.3	4	94.0	88.9
					254.gap	4	70.9	72.0	4	70.9	72.0
					255.vortex	4	79.5	111	4	63.1	140
					256.bzip2	4	136	51.2	4	135	51.5
					300.twolf	4	190	73.3	4	145	96.1

Hardware

CPU: AMD Opteron(TM) 285
 CPU MHz: 2600
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2
 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: 4x512MB, DDR400 CL2 ECC Reg
 Disk Subsystem: SATA, 250 GB
 Other Hardware: None

Software

Operating System: Windows Server 2003 Enterprise edition SP1 (32-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

TYAN Thunder K8SD Pro (S2882-D), AMD Opteron(TM) 285

SPECint_rate2000 = 79.6

SPECint_rate_base2000 = 69.2

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

Notes/Tuning Information (Continued)

```
254.gap:          basepeak = true
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 -Qunroll3 shlw32M.lib -Qansi_alias
Corsair CMX512RE-3200LL (XMS3200REv2.1) memory used in Dual Channel configuration.
CMOS cleared, default BIOS settings used.
BIOS rev 3.05
The tested system can be assembled using a standard ATX case and an Antec True 550
watt EPS12V Power Supply.
```