CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Advanced Micro Devices

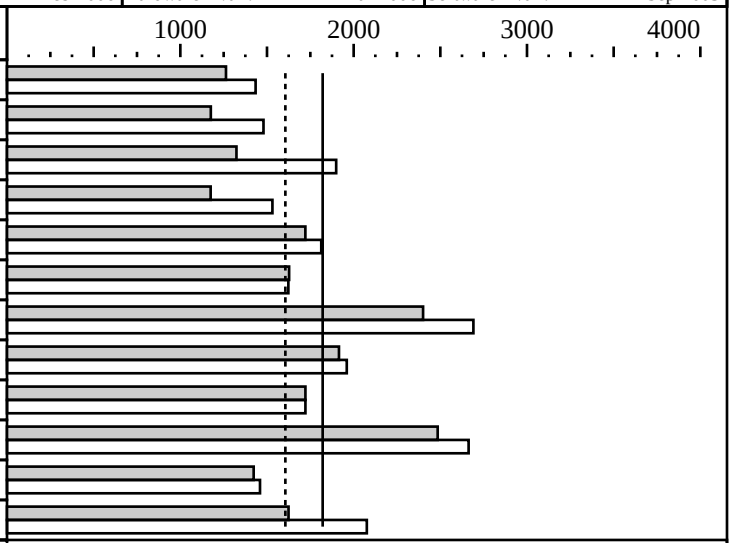
TYAN Tomcat K8E (S2865), AMD Opteron(TM) 185

SPECint2000 = 1821

SPECint_base2000 = 1606

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	111	1263	97.6	1434
175.vpr	1400	119	1176	94.6	1480
176.gcc	1100	83.1	1324	57.9	1899
181.mcf	1800	153	1175	118	1531
186.crafty	1000	58.1	1721	55.2	1813
197.parser	1800	111	1628	111	1623
252.eon	1300	54.2	2400	48.3	2691
253.perlbmk	1800	94.0	1915	91.8	1960
254.gap	1100	63.9	1722	63.9	1722
255.vortex	1900	76.5	2485	71.3	2663
256.bzip2	1500	105	1423	103	1460
300.twolf	3000	185	1624	145	2076



Hardware

CPU:	AMD Opteron(TM) 185 (939-pin)
CPU MHz:	2600
FPU:	Integrated
CPU(s) enabled:	1 core, 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:	2x512MB, DDR400 CL2
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.perlbmk:  -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- -Qunroll3 +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.perlbmk:  -O3 -Qipo -QxW +FDO
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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 CMX512-3200XL memory used in Dual Channel configuration.
Memory timings manually set in BIOS: Command Rate=1T
BIOS rev 3.01
The tested system can be assembled using a standard ATX case and an Antec True 550
watt EPS12V Power Supply.
/NUMPROC=1 flag was added to boot.ini to invoke uniprocessor environment.
```