## Advanced Micro Devices

**MSI K7D Master Motherboard, AMD Athlon (TM) MP 2600+**

**SPECint2000 = 781**

**SPECint_base2000 = 751**

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### Hardware

- **CPU:** AMD Athlon(TM) AMSN2600DKT3C
- **CPU MHz:** 2133
- **FPU:** Integrated
- **CPU(s) enabled:** 1 core, 1 chip, 1 core/chip
- **CPU(s) orderable:** 1,2
- **Parallel:** No
- **Primary Cache:** 64KBI + 64KBD on chip
- **Secondary Cache:** 256KB(I+D) on chip
- **L3 Cache:** N/A
- **Other Cache:** N/A
- **Memory:** 1x512MB PC2100 DDR SDRAM CL2
- **Disk Subsystem:** Seagate ST320414A
- **Other Hardware:** None

### Software

- **Operating System:** Windows XP Professional SP1
- **Compiler:** Intel C++ 5.0.1 build 020125Z
- **File System:** NTFS
- **System State:** Default

### Notes/Tuning Information

- **shlW32M.lib** is the SmartHeap library V5.0 from MicroQuill [www.microquill.com](http://www.microquill.com)
- **+FDO:** PASS1=-Qprof_gen PASS2=-Qprof_use
- **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 -QxK -Qwp_ipo -Oi- -Oa +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 -Oi- +FDO shlW32M.lib
  - **197.parser:** -O3 -QxK -Qwp_ipo -Oi- +FDO
  - **252.eon:** -O3 -QxK -Qwp_ipo +FDO
  - **253.perlbmk:** -O3 -QxK -Qipo +FDO shlW32M.lib
  - **254.gap:** -O3 -QxK -Qipo -Oi- +FDO
  - **255.vortex:** -O3 -QxK -Qwp_ipo +FDO
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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 400W power supply such as the Antec SL400, and a PCI or AGP video card.
The System bus runs at 266MHz