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# AMD A6-4400M APU Performance

Various open-source benchmarks by the Phoronix Test Suite v8.0.1 (Aremark).

## Test Systems:

### Cruzer Edge - 4096 MB DDR3-800MT - AMD A6-4400M APU

Processor: AMD A6-4400M APU @ 2.70GHz (1 Core / 2 Threads), Motherboard: HP 184B v57.50 (F.17 BIOS), Chipset: AMD Family 15h, Memory: 2 x 4096 MB DDR3-800MT/s AM1U16BC4P2-B19H, Disk: 16GB Cruzer Edge + 32GB SL32G, Graphics: AMD Radeon HD 7520G (335MHz), Audio: AMD Trinity HDMI Audio, Network: Realtek RTL8101/2/6E + Qualcomm Atheros AR9485 Wireless

OS: Ubuntu 18.04, Kernel: 4.15.0-20-generic (x86_64), Desktop: GNOME Shell 3.28.2, Display Server: X Server 1.19.6, Compiler: GCC 7.3.0, File-System: overlayfs, Screen Resolution: 1600x900

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-as=/usr/bin/x86_64-linux-gnu-as --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-ld=/usr/bin/x86_64-linux-gnu-ld --with-multilib-list=m32,m64,mx32 --with-target-system-zlib

# AMD A6-4400M APU Performance

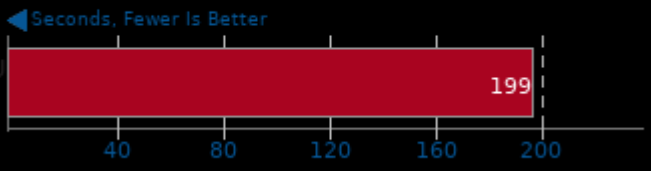
--with-tune=generic --without-cuda-driver -v
Disk Notes: CFQ / lowerdir=//filesystem.squashfs,relatime,rw,upperdir=/cow/upper,workdir=/cow/work
Processor Notes: Scaling Governor: acpi-cpufreq ondemand
Security Notes: __user pointer sanitization + Full AMD retpoline Protection

| | Cruzer Edge - 4096 MB DDR3-800MT - AMD A6-4400M APU |
|---|---|
| **Pjdfstest (sec)** | 199 |
| **Tinymembench - Standard Memcpy (MB/s)** | 4183 |
| **Tinymembench - Standard Memset (MB/s)** | 4458 |
| **7-Zip Compression - C.S.T (MIPS)** | 3308 |
| **Standard Deviation** | 0.1% |
| **m-queens - Time To Solve (sec)** | 1153 |
| **Standard Deviation** | 1.7% |
| **Perl Benchmarks - Pod2html (sec)** | 0.35743805 |
| **Standard Deviation** | 1.2% |
| **Perl Benchmarks - Interpreter (sec)** | 0.00231976 |
| **Standard Deviation** | 0.2% |
| **Radiance Benchmark - SMP Parallel (sec)** | 1926 |

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## Pjdfstest

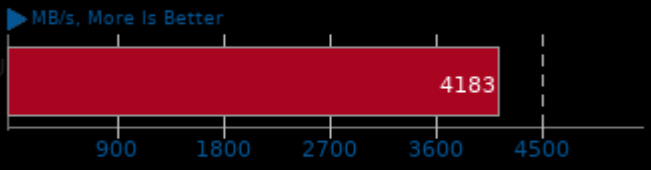
Cruzer Edge - 4096 MB DDR3-800MT - AMD A6-4400M APU




## Tinymembench 2018-05-28

Standard Memcpy

Cruzer Edge - 4096 MB DDR3-800MT - AMD A6-4400M APU

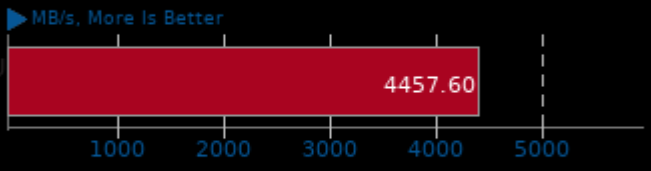



1. (CC) gcc options: -O2 -lm

## Tinymembench 2018-05-28

Standard Memset

Cruzer Edge - 4096 MB DDR3-800MT - AMD A6-4400M APU



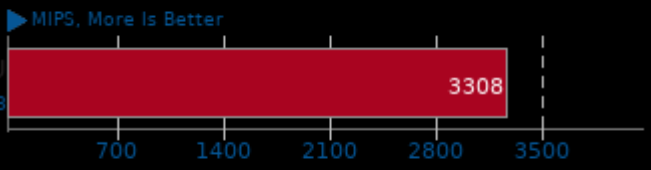

1. (CC) gcc options: -O2 -lm

## 7-Zip Compression 16.02

Compress Speed Test

Cruzer Edge - 4096 MB DDR3-800MT - AMD A6-4400M APU

SE +/- 2.08, N = 3



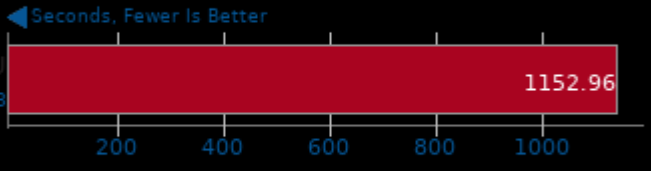

1. (CXX) g++ options: -pipe -lpthread

## m-queens 1.1

Time To Solve

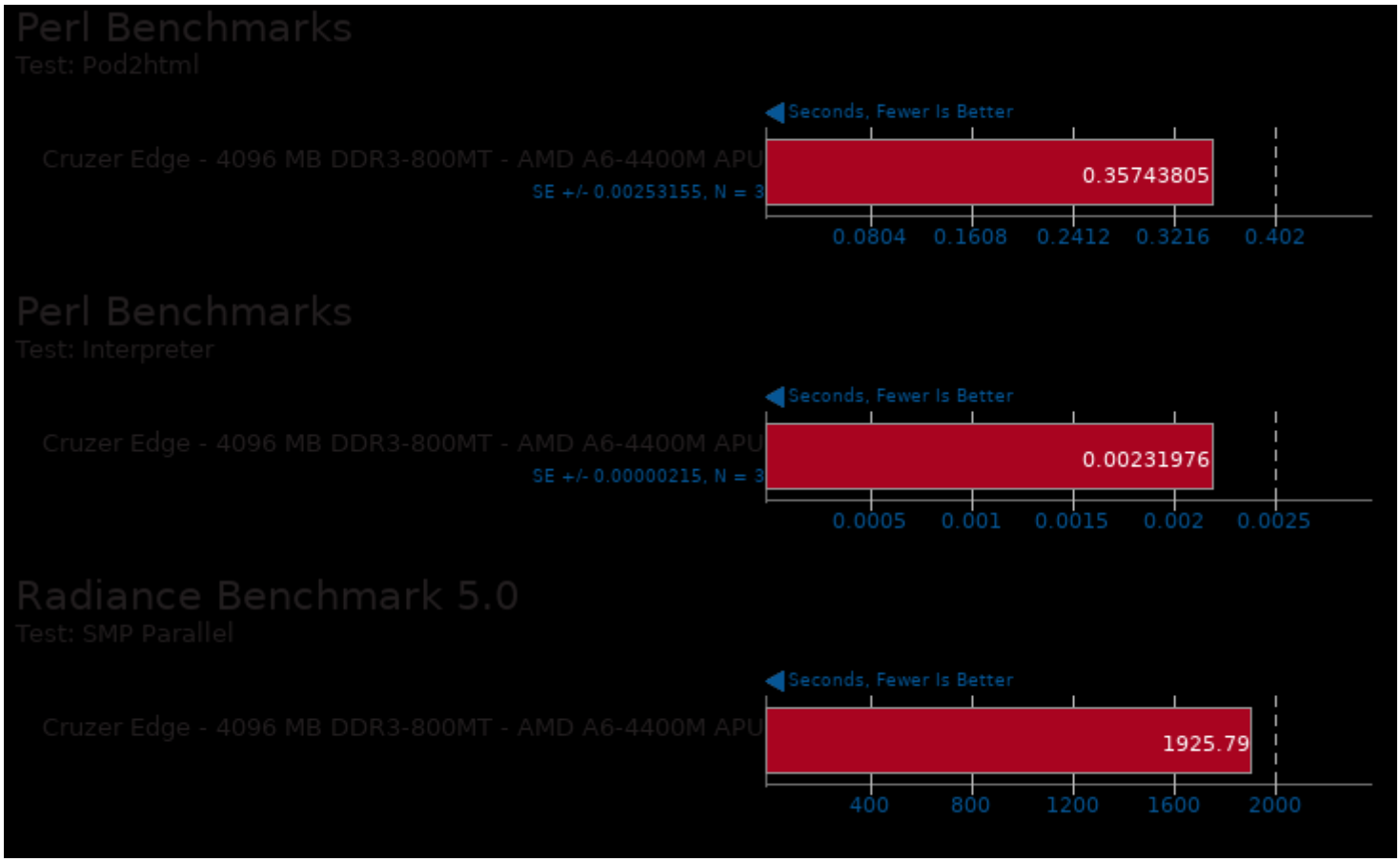
Cruzer Edge - 4096 MB DDR3-800MT - AMD A6-4400M APU

SE +/- 11.15, N = 3




1. (CXX) g++ options: -fopenmp -O2 -march=native

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