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saf51015i-16c20211014

Intel Atom C3958 testing with a American Megatrends 5.13 and ASPEED on Ubuntu 16.04 via the Phoronix Test Suite.

Test Systems:

saf51015i

ArmourDriv

Processor: Intel Atom C3958 @ 2.00GHz (16 Cores), Motherboard: American Megatrends 5.13, Chipset: Intel Device 1980, Memory: 2 x 16384 MB DDR4-2400MHz Kingston, Disk: 256GB ArmourDriv + 16GB DF4016, Graphics: ASPEED, Network: 4 x Intel I210 + 4 x Intel I350 + 4 x Intel Device 15c4

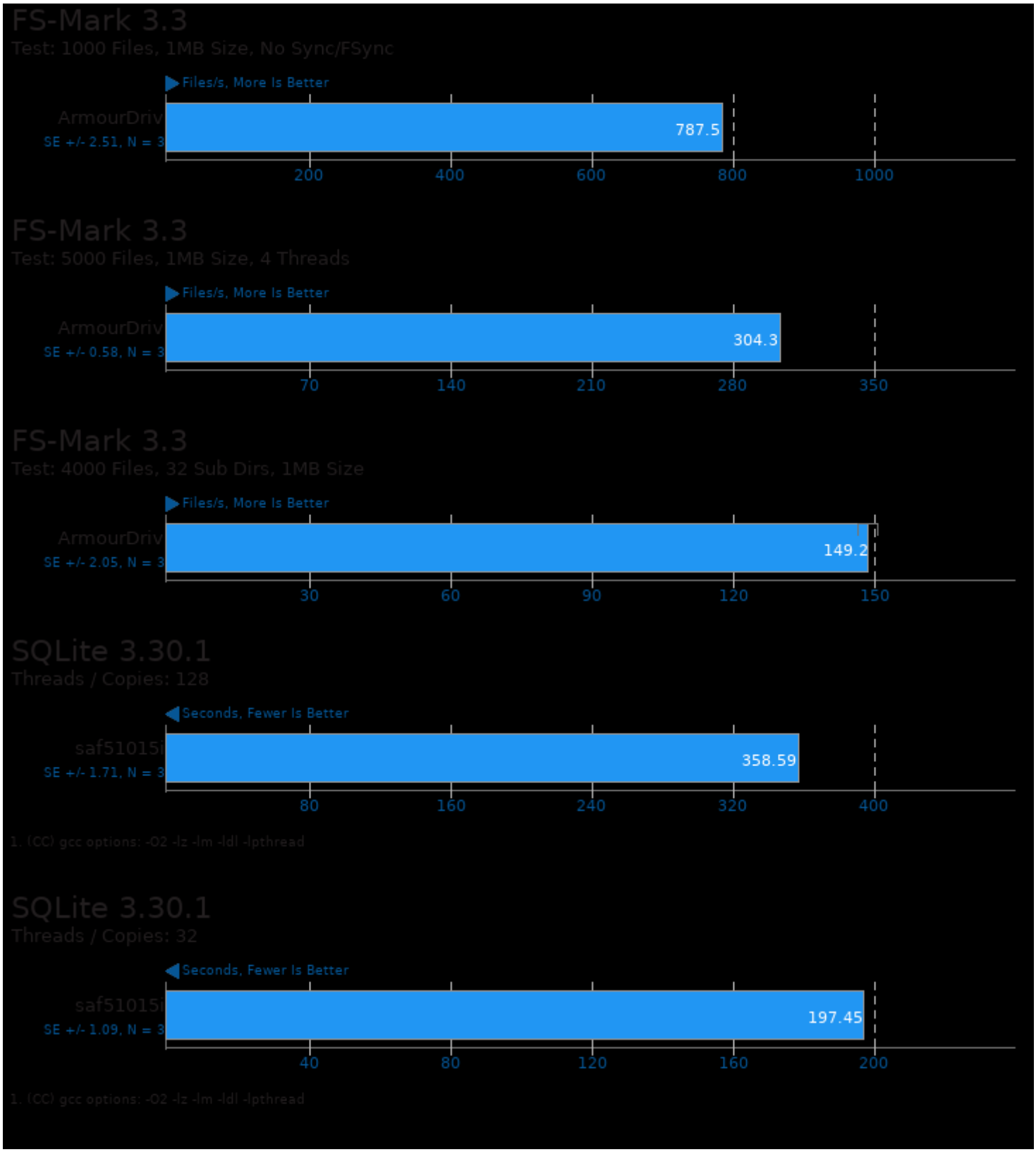
OS: Ubuntu 16.04, Kernel: 4.4.0-116-generic (x86_64), Compiler: GCC 5.4.0 20160609 + Clang 3.8.0-2ubuntu4, File-System: ext4, Screen Resolution: 1024x768

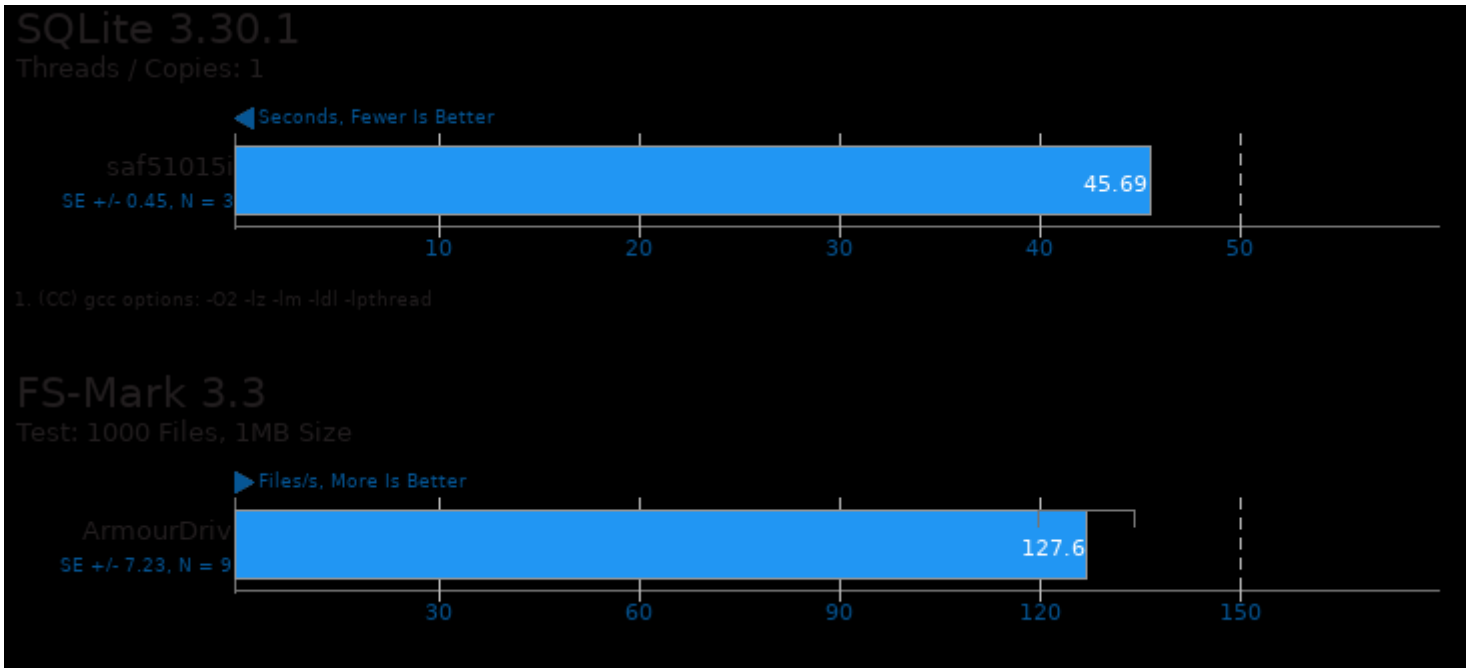
Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx

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--enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Disk Notes: DEADLINE / data=ordered,relatime,rw / Block Size: 4096
Processor Notes: Scaling Governor: acpi-cpufreq ondemand - CPU Microcode: 0x10
Security Notes: meltdown: Mitigation of PTI + spectre_v1: Mitigation of OSB (observable speculation barrier Intel v6) + spectre_v2: Mitigation of Full generic retpoline

	saf51015i	ArmourDriv
FS-Mark - 1.F.1.S.N.S.F (Files/s)		787.5
Standard Deviation		0.6%
FS-Mark - 5.F.1.S.4.T (Files/s)		304.3
Standard Deviation		0.3%
FS-Mark - 4.F.3.S.D.1.S (Files/s)		149.2
Standard Deviation		2.4%
SQLite - 128 (sec)	358.590	
Standard Deviation	0.8%	
SQLite - 32 (sec)	197.453	
Standard Deviation	1%	
SQLite - 1 (sec)	45.693	
Standard Deviation	1.7%	
FS-Mark - 1.F.1.S (Files/s)		127.6
Standard Deviation		17%


FS-Mark 3.3
Test: 1000 Files, 1MB Size, No Sync/FSync
Files/s, More Is Better
ArmourDriv
SE +/- 2.51, N = 3
787.5
200
400
600
800
1000
FS-Mark 3.3
Test: 5000 Files, 1MB Size, 4 Threads
Files/s, More Is Better
ArmourDriv
SE +/- 0.58, N = 3
304.3
70
140
210
280
350
FS-Mark 3.3
Test: 4000 Files, 32 Sub Dirs, 1MB Size
Files/s, More Is Better
ArmourDriv
SE +/- 2.05, N = 3
149.2
30
60
90
120
150
SQLite 3.30.1
Threads / Copies: 128
Seconds, Fewer Is Better
saf51015i
SE +/- 1.71, N = 3
358.59
80
160
240
320
400
1. (CC) gcc options: -O2 -lz -lm -ldl -lpthread
SQLite 3.30.1
Threads / Copies: 32
Seconds, Fewer Is Better
saf51015i
SE +/- 1.09, N = 3
197.45
40
80
120
160
200
1. (CC) gcc options: -O2 -lz -lm -ldl -lpthread



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 22:34.