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# memory_11_02_2016

Rpi4 vs an Intel Core 2 Duo T7100 RAM Speed

## Test Systems:

### memory_11_02_2016_

Processor: Intel Core 2 Duo T7100 @ 1.80GHz (2 Cores), Motherboard: Acer eMachine, Chipset: Intel Mobile PM965/GM965/GL960 + ICH8M, Memory: 2 x 2048 MB DDR2-667MHz, Disk: 1000GB TOSHIBA MQ01ABD1, Graphics: Intel Mobile GM965/GL960 IGP (primary), Audio: Realtek ALC268, Network: Broadcom NetLink BCM5787M Gigabit PCI + Intel PRO/Wireless

OS: openSUSE 13.1, Kernel: 3.11.10-34-pae (i686), Desktop: KDE 4.11.5, Display Server: X Server 1.14.3.901 (1.14.4 RC 1), Display Driver: intel 2.99.906, OpenGL: 2.1 Mesa 9.2.5, Compiler: GCC 4.8.1, File-System: ext4, Screen Resolution: 1280x800

Compiler Notes: --build=i586-suse-linux --disable-libgcj --disable-libmudflap --disable-libssp --disable-libstdcxx-pch --disable-plugin --enable-__cxa_atexit --enable-checking=release --enable-languages=c,c++,objc,fortran,obj-c++,java,ada --enable-libstdcxx-allocator=new --enable-linux-futex --enable-ssp --enable-version-specific-runtime-libs --mandir=/usr/share/man --with-arch-32=i586 --with-slibdir=/lib --with-tune=generic --without-system-libunwind

Processor Notes: Scaling Governor: acpi-cpufreq ondemand

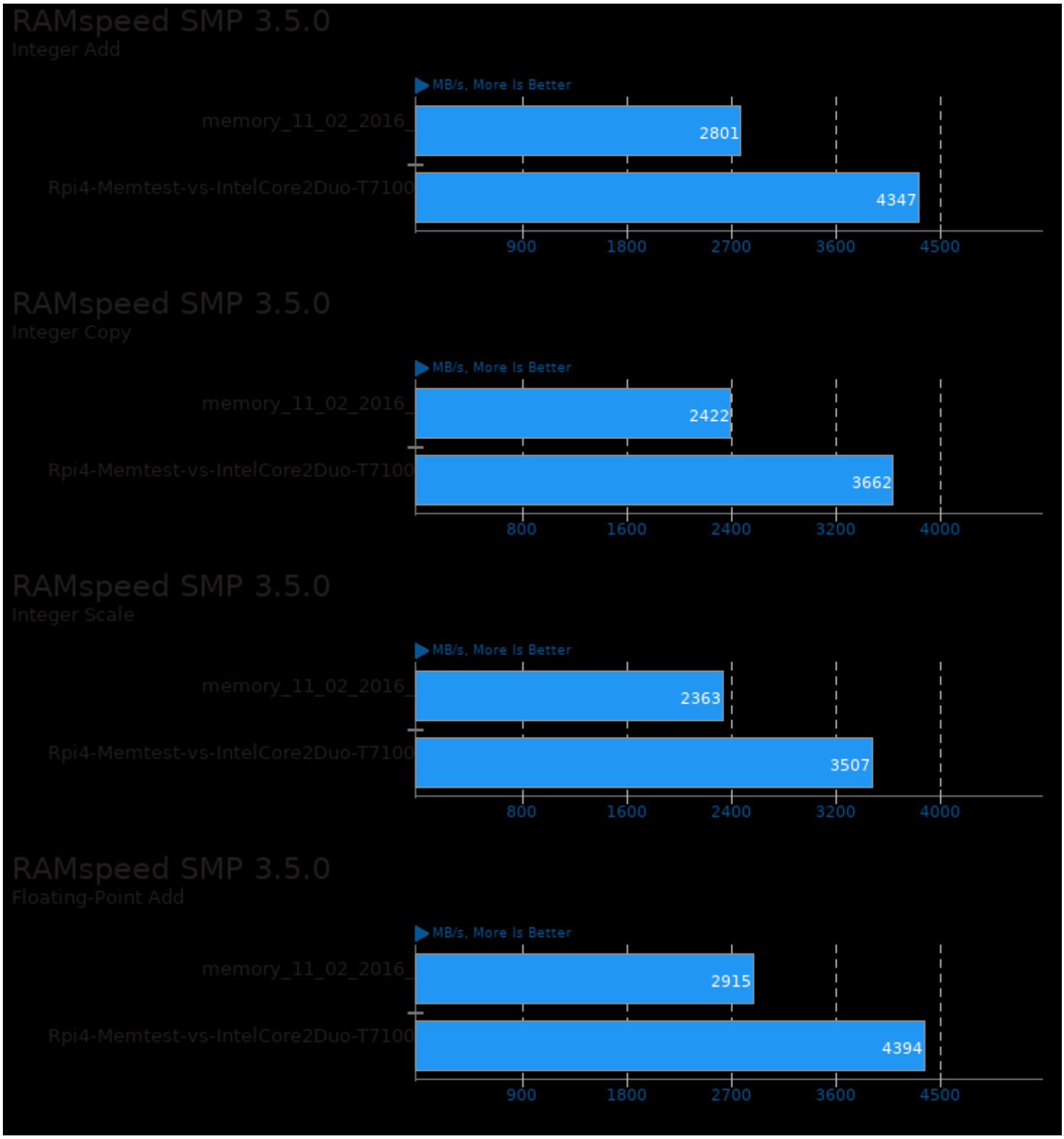
## Rpi4-Memtest-vs-IntelCore2Duo-T7100

Processor: ARMv7 rev 3 @ 1.50GHz (4 Cores), Motherboard: BCM2835 Raspberry Pi 4 Model B Rev 1.1, Memory: 4096MB, Disk: 16GB SL16G, Graphics: V3D 4.2 4GB, Monitor: AAA

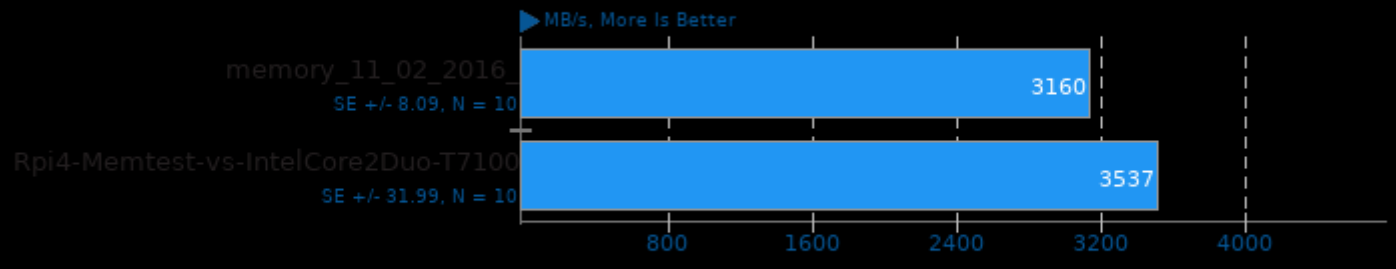
OS: Raspbian 10, Kernel: 4.19.46-v7l+ (armv7l), Desktop: LXDE 0.10.0, Display Server: X Server 1.20.4, Display Driver: modesetting 1.20.4, Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=arm-linux-gnueabihf --disable-libitm --disable-libquadmath --disable-libquadmath-support --disable-sjlj-exceptions --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-languages=c,ada,c++,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-nls --enable-objc-gc=auto --enable-plugin --enable-shared --enable-threads=posix --host=arm-linux-gnueabihf --program-prefix=arm-linux-gnueabihf- --target=arm-linux-gnueabihf --with-arch=armv6 --with-default-libstdcxx-abi=new --with-float=hard --with-fpu=vfp --with-gcc-major-version-only --with-target-system-zlib -v
Processor Notes: Scaling Governor: BCM2835 Freq ondemand

| | memory_11_02_2016_ | Rpi4-Memtest-vs-IntelCore2Duo-T7100 |
|---|---|---|
| **RAMspeed SMP - Integer Add (MB/s)** | **2801** | **4347** |
| **Normalized** | 64.44% | 100% |
| **RAMspeed SMP - Integer Copy (MB/s)** | **2422** | **3662** |
| **Normalized** | 66.14% | 100% |
| **RAMspeed SMP - Integer Scale (MB/s)** | **2363** | **3507** |
| **Normalized** | 67.38% | 100% |
| **RAMspeed SMP - Floating-Point Add (MB/s)** | **2915** | **4394** |
| **Normalized** | 66.34% | 100% |
| **Stream - Add (MB/s)** | **3160** | **3537** |
| **Normalized** | 89.34% | 100% |
| **Standard Deviation** | 0.8% | 2.9% |
| **Stream - Copy (MB/s)** | **2971** | **3893** |
| **Normalized** | 76.32% | 100% |
| **Standard Deviation** | 1.6% | 2.3% |
| **Stream - Scale (MB/s)** | **2580** | **3926** |
| **Normalized** | 65.72% | 100% |
| **Standard Deviation** | 0.5% | 3.6% |
| **CacheBench - Read Cache (MB/s)** | 1611 | |
| **Standard Deviation** | 0.2% | |
| **CacheBench - Write Cache (MB/s)** | 4761 | |
| **Standard Deviation** | 2.9% | |

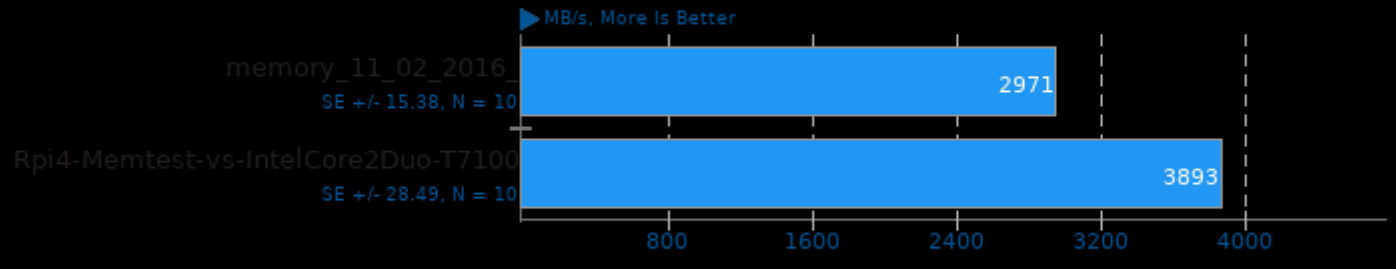

RAMspeed SMP 3.5.0
Integer Add
MB/s, More Is Better
memory_11_02_2016_
2801
Rpi4-Memtest-vs-IntelCore2Duo-T7100
4347
900
1800
2700
3600
4500
RAMspeed SMP 3.5.0
Integer Copy
MB/s, More Is Better
memory_11_02_2016_
2422
Rpi4-Memtest-vs-IntelCore2Duo-T7100
3662
800
1600
2400
3200
4000
RAMspeed SMP 3.5.0
Integer Scale
MB/s, More Is Better
memory_11_02_2016_
2363
Rpi4-Memtest-vs-IntelCore2Duo-T7100
3507
800
1600
2400
3200
4000
RAMspeed SMP 3.5.0
Floating-Point Add
MB/s, More Is Better
memory_11_02_2016_
2915
Rpi4-Memtest-vs-IntelCore2Duo-T7100
4394
900
1800
2700
3600
4500

## Stream 2013-01-17
### Add



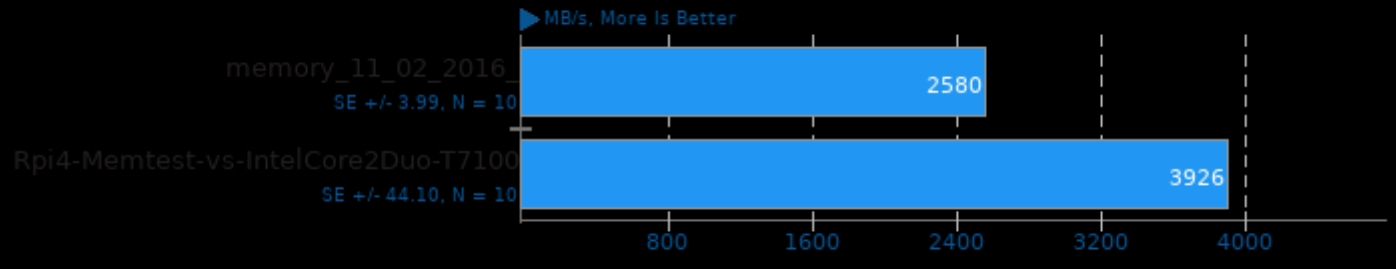

1. (CC) gcc options: -O3 -march=native -fopenmp

## Stream 2013-01-17
### Copy



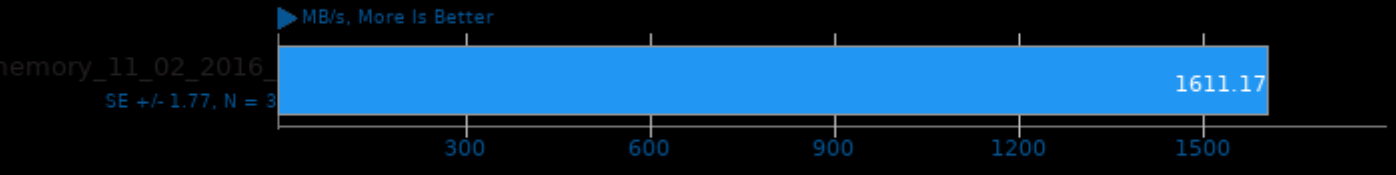

1. (CC) gcc options: -O3 -march=native -fopenmp

## Stream 2013-01-17
### Scale



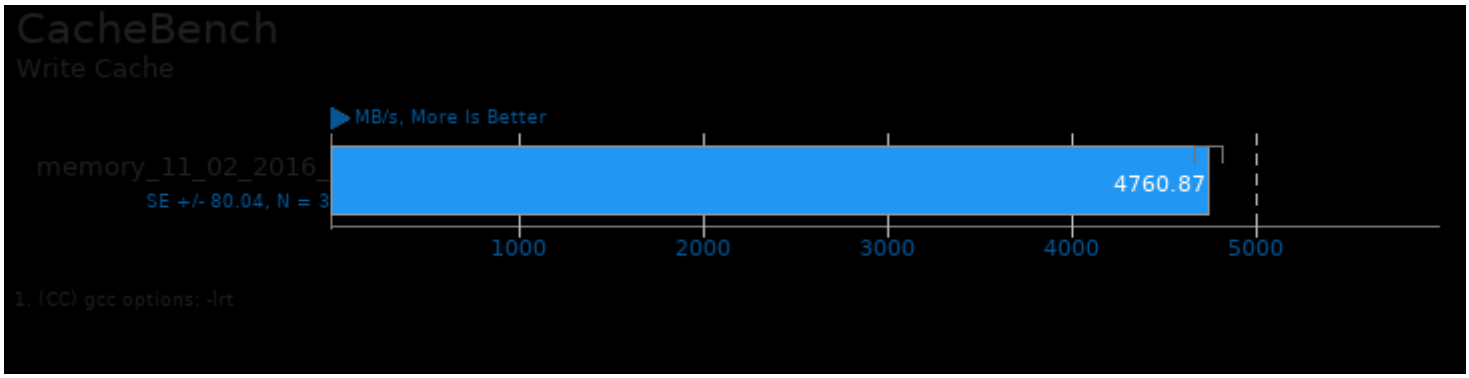

1. (CC) gcc options: -O3 -march=native -fopenmp

## CacheBench
### Read Cache

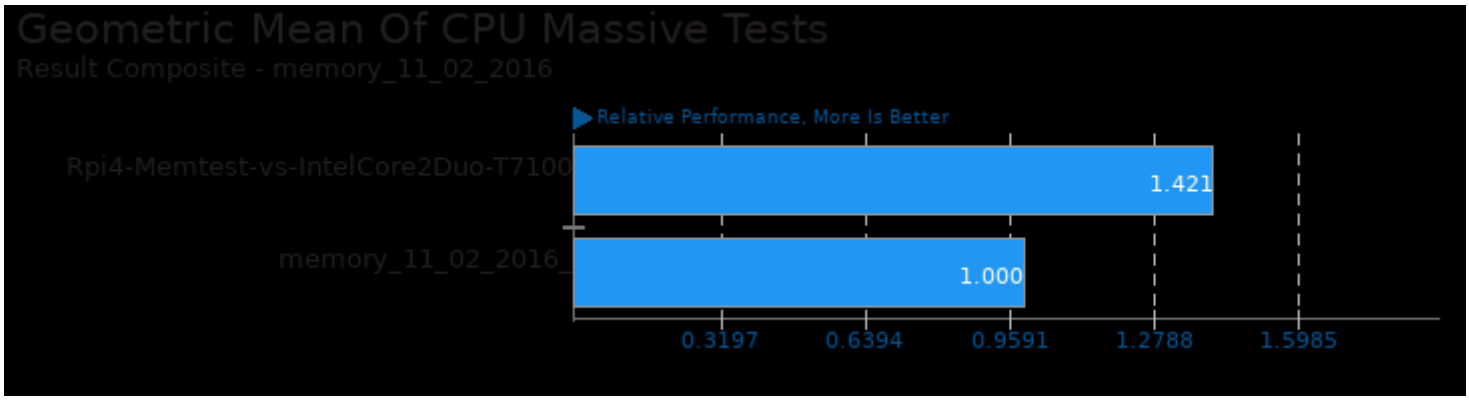



1. (CC) gcc options: -lrt

# memory_11_02_2016



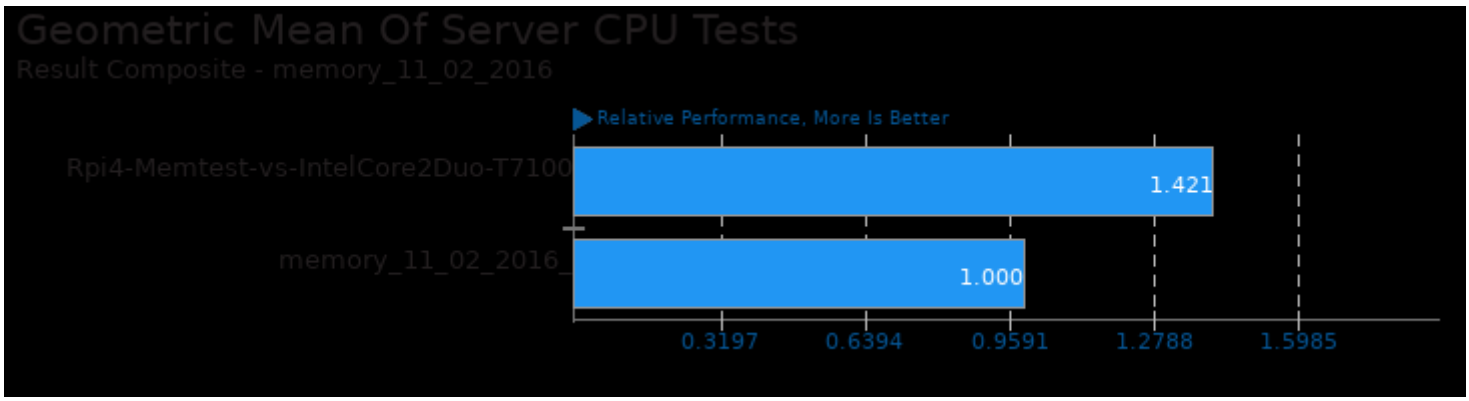
These geometric means are based upon test groupings / test suites for this result file.




Geometric mean based upon tests: pts/cachebench, pts/ramspeed and pts/stream




Geometric mean based upon tests: pts/ramspeed, pts/stream and pts/cachebench




Geometric mean based upon tests: pts/ramspeed and pts/stream

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 08:11.*