

ARMv8 & Android

Phone: HTC Desire 510

Processor: Qualcomm Snapdragon 410

Specs: 4 Cortex A53 CPU cores
1.2GHz
1GB of RAM

64 bit applications: none

ARM



Android L will be the first Android OS to utilize the 64 bit capabilities (late 2014)

- ❑ Fully compatible for 32 bit applications
- ❑ No benchmarks yet on Android, but iPhone benchmarks showed ~50% improvement for 32 bit applications on Apple A7 vs A6 (same clock speed, switch to ARMv8)
- ❑ Midrange phone; still no word on 64 bit Android flagship phones

Sources:

- ❑ <http://arstechnica.com/gadgets/2014/08/first-64-bit-android-phone-has-no-64-bit-software/>
- ❑ <http://www.arm.com/products/processors/armv8-architecture.php>
- ❑ <https://www.qualcomm.com/news/releases/2013/12/09/qualcomm-technologies-introduces-snapdragon-410-chipset-integrated-4g-lte>