

# Apple processor APL1011

## Name: A8



Semiconductor technology:  
20 nm TSMC

Die size:  
89 mm<sup>2</sup>

Transistors:  
2 billion

CPU ISA:  
ARMv8-A

CPU:  
1,1-1,5 GHz  
Dual core  
Typhoon

CPU cache:  
L1i: 64 KB  
L1d: 64 KB  
L2: 1 MB  
L3: 4 MB  
Inclusive

GPU:  
PowerVR G6450  
quad-core @ 433 MHz 136,5 GFLOPS

Memory technology:  
64-bit Single-channel  
800 MHz  
LPDDR3-1600  
(12,8 GB/sec)

Introduced:  
September 2014

Utilizing devices:

iPhone 6  
iPhone 6 Plus  
iPod Touch 6th gen.  
iPad Mini 4  
Apple TV 4th gen.  
HomePod