

Apple processor APL1W81

Name: A12 Bionic



Semiconductor technology:
7 nm FinFET TSMC

Die size:
83,27 mm²

Transistors:
6,9 billion

CPU ISA:
ARMv8.3-A

CPU:
2,49 GHz
Hexa core
2x Vortex + 4x Tempest

CPU cache:
L1i: 128 KB
L1d: 128 KB
L2: 8 MB

GPU:
Apple Custom GPU
quad-core

Memory technology:
64-bit Single-channel
2133 MHz
LPDDR4X
(34,1 GB/sec)

Introduced:
September 2018

Utilizing devices:
iPhone XS
iPhone XS Max
iPhone XR

