



NEWS RELEASE

Ambiq Announces that the World's Lowest Power System on Chip is Now in Volume Production

2015-11-17

Ambiq®, the leader in ultra-low power semiconductor solutions, today announced that its Apollo SoC, which recently made system on a chip history by demonstrating that it consumes less than half the energy of rivals in real-world applications (EEMBC ULPBench benchmark), is now available for shipping into high volume consumer applications.

The Ambiq Apollo SoC features active mode current in the order of 34µA/MHz when running from flash and sleep mode current less than 150nA. Built around an Arm® Cortex®-M4 core with a floating point unit, the device is available with a range of memory options from 64kB to 512kB of embedded flash memory, includes a 10-bit ADC, and has a wide range of serial interfaces. It's offered in both BGA and WLCSP package options.

Ambiq recently announced that wearables manufacturer, Misfit, selected the Apollo SoC to power its Shine2™ fitness and sleep monitor. Energy consumption was a key design criterion. The Ambiq system on a chip enabled Misfit to create a 2nd generation device with several additional attractive functions without compromising the six-month battery life of its predecessor.

The **Apollo SoC** is available for immediate delivery with prices starting at \$1.50 in 10k quantities.