

Original iPad VS iPad 2

Submitted by [KISHIBird](#) [1] on April 20, 2011 - 4:21am

A lot of people want to know the differences between the original iPad and iPad 2 unveiled recently. Here's a quick rundown of what's changed, and what hasn't changed.

Original iPad VS iPad 2 - Size

The iPad 2 follows the style of super-slim iPod touch, measuring 0.34 inches in thickness and weighing in at 1.33 pounds. These changes might sound subtle, but once you feel the iPad 2 in your hands, the difference is significant especially when carrying the tablet for extended periods of time. Apple is quick to point out the iPad 2 is 33 percent thinner and up to 15 percent lighter (depending if you buy the WiFi or WiFi+3G model).

Original iPad VS iPad 2 - Processor

The iPad A4 is an ARM Cortex-A8-based core clocked at 1GHz. It's a fully-integrated system-on-a-chip (SoC), that was rumoured to be manufactured by Samsung for Apple. The iPad 2 introduces the A5, a dual-core chip based on the new ARM Cortex-A9 design. That's the same basic architecture as the other dual-core tablet processors such as the Nvidia Tegra 2. The A5 is clocked at 1 GHz too.

Original iPad VS iPad 2 - Screen

No change here - The iPad 2 makes use of the same 9.7-inch LED-backlit IPS 1024 x 768 screen as the original iPad. At this point one unknown relating to the screen is what graphics processor Apple has used. The original iPad used a PowerVR SGX 535 chip. We'll have to wait for the teardowns to find this out.

Original iPad VS iPad 2 - Storage

The options for storage remain the same - 16GB, 32GB and 64GB.

Original iPad VS iPad 2 - Graphics

Like the iPhone 4, the iPad and iPad 2 both have anImagination TechnologiesPowerVR SGX-based graphics chip. Apple is promising nine times better graphics for iPad 2 versus the original iPad. The iPad use PowerVR SGX 535 chip. The new chip is thought to have four pipes, but can that produce a 9x increase?

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