

Apple iPhone 6 and iOS 8

Peter Hirsch

Apple iPhone 6

- ▶ Larger cell phone
 - Lighter and Thinner
 - Larger Memory
- ▶ Faster Cell Phone
- ▶ Better Camera
- ▶ Reasonable Pricing
- ▶ Fingerprint Unlock
- ▶ Somewhat better Battery Life

iPhone 6

Larger Cell Phone

- ▶ iPhone 5
 - 4 -inch display
- ▶ iPhone 6
 - 4.7-inch, 1,344x750-pixel display
- ▶ iPhone 6 Plus
 - 5.5-inch, 1,920x1,080-pixel display
 - Called a “Phablet”



iPhone 6

Thinner and Lighter

- iPhone 6
 - 6.9mm thick
 - 4.55 oz in weight
- iPhone 6 Plus
 - 7.1mm thick
 - 6.07 oz in weight



iPhone 6 Colors

- ▶ Three Two colors:
 - Silver: White Front/Silver Back
 - Gold: White Front/Light Gold Back
 - Space Gray: Black Front/Darker Silver Back



iPhone 6

Larger Memory

- ▶ 16 Mbytes
 - Probably too Small to be practical
- ▶ 64 Mbytes
 - Probably Just Right
- ▶ 128 Mbytes
 - Maybe too Large, unless you have lots of photos or data
- ▶ Remember the size of main frame memories?
- ▶ Note: No 32 Megs

iPhone 6

Faster Cell Phone

- ▶ Faster processor
 - A8 chip is 25% faster than the A7 used in the iPhone 5
 - A8 chip is 50% better in graphic performance
- ▶ Uses 4G LTE Cell phone connection
 - Uses 20 bands
- ▶ Improved WiFi speeds
 - 2–3 times faster than iPhone 5 in speed tests
 - Uses 802.11 ac chip rather than the older 802.11 b/g/n chip
 - You will need a router that supports 802.11 ac protocol to get this performance
- ▶ Has Near Field Communication (NFC)

iPhone 6

Improved and New Sensors

- ▶ Apple has added a tiny barometer to sit alongside the accelerometers, geo-location sensors, and data recording facilities of the co-processor
 - Barometer can sense when you are changing height

iPhone 6 Improved Camera

- ▶ Slow Motion Video 1080p
- ▶ 1080 pixels HD VIDEO at 60 fps
- ▶ SLO-MO AT 720pixels at 240 frames per second
- ▶ Front Camera 10 shots/Sec in burst mode
- ▶ Large 1.5-micron pixels and f/2.2 aperture lens
- ▶ Focus Pixels for faster autofocus and preview



- New Sensor
 - Improved low light performance
 - 8 Megapixels
 - Focus Pixels at the edge of Sensor
- Image stabilization on iPhone 6 Plus
- Japanese JSR Lens

iPhone 6

Reasonable Pricing

- ▶ Capacity and Price with 2 Year Cell Contract
 - iPhone 6
 - 16GB \$199
 - 64GB \$299
 - 128GB \$399
 - iPhone 6 Plus
 - 16GB \$299
 - 64GB \$399
 - 128GB \$499
- Most Cell Phone Vendors are Providing a Discount
- At Verizon, I got a \$200 Gift Card

iPhone 6

Finger Print Unlock

- iPhone needs to be trained for one finger
- Finger can be in several positions
- Code can be used as well
- Finger can be rotated
- Cannot use another finger on your hand nor someone else's hand



iPhone 6

Somewhat Improved Battery Life

- ▶ Larger Battery
- ▶ Larger Screen
- ▶ Overall Improved Battery Life



iPhones and iPads Comparison



A handy comparison of all iOS screen sizes: 4S, 5S, 6, 6 Plus, iPad Mini, iPad Air.

My Purchasing the iPhone 6

- ▶ iPhone 6 announced 9/6/14
- ▶ I ordered iPhone 6 from Verizon 9/10/14
 - 16 Gigabytes, Gold
- ▶ I received phone 9/19/14
 - 64 Gigabytes, Silver
- ▶ Today orders may not be shipped for 30–60 days, unless still in stock from 9/19/14 allotment



Apple iOS 8

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iOS 8

New and Improved Built-in Apps

- ▶ Camera App
 - Burst Mode
 - Panorama Photos for iPad
 - Time-Lapse Video Mode
 - Camera Timer
 - Separate Focus and Exposure Controls
- ▶ iBooks
 - Pre-Installed
 - Night Mode for easier reading at night
- ▶ Health App (new)



iOS 8

New and Improved Built-in Apps

- ▶ Apple Pay (new October 20)
 - Allow a user to pay with a credit card by swiping the phone
- ▶ Keyboard Apps
- ▶ Apple Health App with Emergency Info.
- ▶ Apple Watch (new in 2015)



Apple iOS 8

Additional New and Improved Features

- ▶ Touch ID for apps
- ▶ App Extensions (Extensibility)
- ▶ Quick type
- ▶ Handoff
- ▶ Group messages improvements
- ▶ Details tab in Messages app
- ▶ Interactive notifications
- ▶ Voice/Video messages
- ▶ Quick send latest photos in messages

iOS 8 Installation

- ▶ Requires 6.5 Gigabytes of unused space
 - You will have to delete or put in the Cloud photos, videos and delete some apps
- ▶ Can take about an Hour to Download and another Hour to install
- ▶ Most Apps need to be updated to support iOS 8 and will have to be downloaded. This could take 30–60 Minutes depending on the number of apps.
- ▶ Be Prepared to take 3–4 hours for the complete installation or buy a new iPhone 6 with it installed

