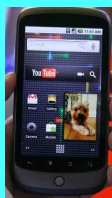


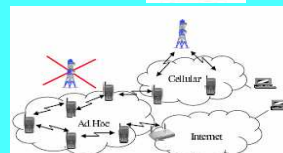
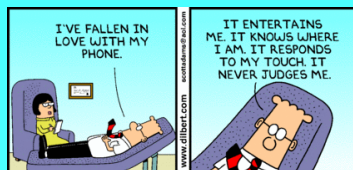
# Sydney PC User Group Smartphones SIG July Mtg John Shiel



Apple's  
iPhone4



Google's  
Nexus One



## Agenda

- Last Mtg
- How the iPad works,
- How to reduce your mobile phone bills
- 6:50pm Coffee break
- Applications and items available for download including at iStore
- Latest smartphones

## *In May*

- **Operating Systems**
  - Timeline
- **How Mobile Phones Work**
- **Usability – importance**
- **Adv mobile applications**
  - Mapping
  - Music
- **6:50pm Coffee break**
- **Downloadable applications**
  - Monitoring resource usage (to extend battery life)
- **Phone review**
  - HTC Desire
  - Others

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## *iPAD*

<http://www.cnet.com.au/apple-ipad-339300632.htm>

- **First affordable tablet computer worth owning, but it won't (yet) replace your laptop (CNET)**



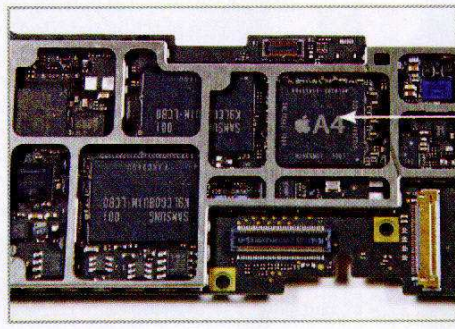
- **Display**

- <http://www.engadget.com/2010/04/03/apple-ipad-review/>
- 9.7" 1024x768 (not quite full HD)
  - Capacitive
  - Multitouch
  - LED-backlit display
- Glossy black wide edge to minimise handling issues
- In-plane Switching (IPS) provides a large viewing angle
- Great for games and photos.

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# How it works

"How it works Technology, Issue 7, Imagine Publishing, 2010"



**Logic board**  
Decoding the A4's part number revealed 2GB of memory inside, which translates into 128MB of memory per die, for 256MB total (not 512MB, as previously reported).

- Apple took over a chip manufacturer last year, to make its own chips
- Same chip now in iPhone4 & iPad
- 1GHz A4

Apple's custom, PA Semi-designed 1GHz A4 system-on-a-chip. A single Cortex A8 core coupled with a PowerVR SGX GPU, with 256MB RAM

# Inside the iPad



- Single Al mould body gives it **strength**
- **Battery** is almost 6 times better than the iPhone

## *iPad - A screen to die for & it uses OSX for Mobile like iPhone, iPod*

<http://www.engadget.com/2010/04/03/apple-ipad-review/>



### ■ iPad's interface

- Same as iPhone or iPod touch UI
- You navigate exactly like the iPhone.
- You have pages and pages made up of grids of icons, a dock for up to six favorite apps and a status bar for the time and other information.

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## *iPad - overall*

- Applications
  - Calendar
  - Contacts
  - Notes
  - Maps
  - Mail
  - Safari
  - Photos
  - iPod
  - App Store
  - iTunes
  - YouTube
- Good: Apple has consolidated your
  - Netbook,
  - e-reader,
  - gaming device,
  - photo frame, and
  - iPod
  - Bluetooth
  - 802.11n
  - Wi-Fi
  - Movie rentals
  - 10 hours of battery life
  - Optional 3G & wireless
  - Most-celebrated App Store on the planet
- Bad: The iPad's large size is as much a hindrance as it is an advantage
  - Can't replace many of the specialised products it seeks to replace
  - Limited multitasking capabilities
  - Lack of
    - integrated video camera,
    - Flash support,
    - HD video output
- Can't edit movies or photos

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## *Reduce your mobile phone bills*

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- *Make calls using Skype over iPad or PC wireless Broadband*
  - *Need Notebook/iPad*
    - *Running wireless broadband*
  - *Wireless router – approx \$150*
- *How*
  - *Start Skype on mobile phone*
  - *Connect to Notebooks' wireless network*

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## *Cuppa*

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- *Back at...*

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## Apps at iStore – Lots of free ones



- **Le Bar**
  - Guide will assist you in finding the nearest watering hole, give you ratings and then even point you to a taxi within stumbling distance.



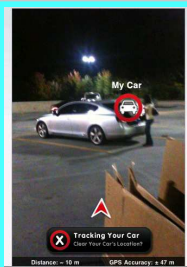
- **Virtual Sky Astronomy**
  - Hold your iPhone skywards to find 10,000 stars, 88 constellations, lunar phases, meteor showers and visible planets based on your location



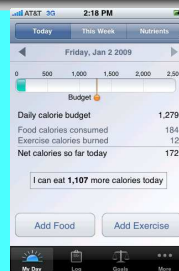
- **AugMeasure**
  - Lets you estimate short distances using on your iPhone's camera. It displays distances (up to 30 centimeters or 12 inches) on the screen on top of a live camera image

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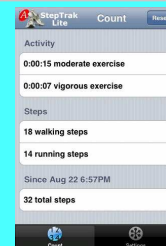
## iStore Apps (2)



- **Car Finder**
  - Creates a visible marker showing the car, its distance away and the direction in which to head after the car's location was set.



- **Lose It**
  - Create a custom diet plan, with an end date in mind, based on how much weight you want to lose per week.

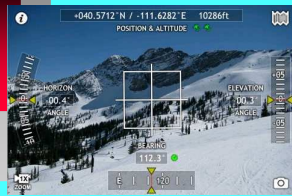


- **StepTrackLite**
  - A simple pedometer to measure and track physical activity while strolling, walking, or running.

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## *iStore Apps (3)*



- **Theolodite**
  - - find angles, orientation overlaid over your camera's image and even lets you snap the odd screenshot for posterity.



- **Dropbox for iPhone**
  - An extension to the existing Desktop application. You can **store 1GB** of any type of file in PC folders that are synchronised across devices on the internet. You can access all files in your Dropbox account, but only run the ones that iPhone recognises.



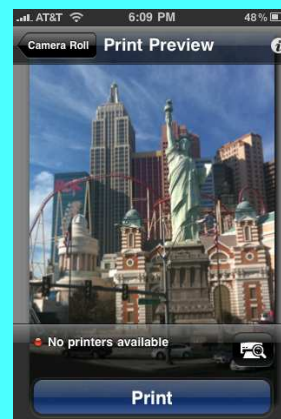
- **LyricFind Pro**
  - Can look at the track that's currently playing on your iPhone or iPod touch and then go online to locate the lyrics

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## *HP ePrint - print to a web-enabled printer*

*For all phones, devices – not just for iPhones*

- *Print anytime, from anywhere\* by sending print jobs to an email address assigned to your e-All-in-One printer.*
- *No drivers or special software required*



**iPhone - Take a photo & send it to HP's ePrint**

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## Top Smartphones

Based on [http://cell-](http://cell-phones.toptenreviews.com/smartphones/htc/htc-hd2-review.html)

[phones.toptenreviews.com/smartphones/htc/htc-hd2-review.html](http://cell-phones.toptenreviews.com/smartphones/htc/htc-hd2-review.html)



### ■ HTC HD2 - \$829.00

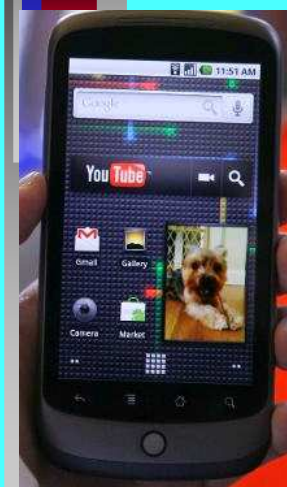
- **5MPx Windows Mobile 6.5**
- 32GB microSD card slot
- *Pros: Brilliant 4.3-inch screen with 480 x 800 pixel resolution.*
- *Cons: With large size its difficult to hold and carry in back pocket; poor battery life.*
- *The Verdict: Large size detracts from look and feel, but great 480 x 800 pixel display.*

<http://www.htc.com/uk/product/hd2/overview.html>

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## Top Smartphones

<http://cell-phones.toptenreviews.com/smartphones/google/nexus-one-review.html>



### ■ Google's Nexus One - \$879

- **5MPx Android 2.1**
- *Pros: A fast phone with noise cancellation software.*
- *Cons: The media player is only basic.*
- *The Verdict: One of the leading smartphones with quick performance, colorful design and noise cancelling software.*

<http://www.theaustralian.com.au/australian-it/googles-nexus-one-phone-fast-but-heavy-on-the-gas/story-e6frgaxx-1225888187099>

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## Top Smartphones

<http://www.apple.com/iphone/design/>

- **Apple's iPhone4 – \$2,200 - \$2,700 (32GB, unlocked)**
- **Due end July**



- **5MPx Apple OS X for Mobiles**
- 16GB & 32GB options
- *Large Multi-Touch display, 960x640 backlit LCD display with 326 pixels per inch, with IPS. It is ultra-durable & recyclable with 2 glossy special panels of aluminosilicate glass — as used in helicopter windshields & high-speed trains*
- 2 mics
  - phone calls, voice commands, and memos
  - FaceTime (video) calls and for noise cancelling
- 5-megapixel photos, HD video, built-in LED flash
- Three-axis gyroscope plus accelerometer for better motion gestures & gaming
- Power-efficient A4 chip for multitasking, editing video
- Con: **possible recall** of Apple's iPhone 4 is "inevitable" given growing criticism over the device's antenna issues, as reported at <http://www.iphoneinaustralia.com>

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Thank You

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