

# 10 technology issues will be 'hot' in 2011

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The long-awaited Chrome OS will officially come out, a series of promising tablets in 2010 will come on the market, smart phones will become smarter. Facebook and Google will continue to cooperate or compete with each other.

And here are the major technology issues worth noting in 2011:

## **Application of 3D technology**

If in 2010, 3D is considered a major breakthrough, in 2011, this technology is expected to reach a new peak. Sky has its first 3D TV channel, marking the introduction of 3D technology to households. Along with that is the explosion of 3D Blu-ray Disc with enough price suitable for the pocket of each consumer, the appearance of 3D laptops, 3D content is increasingly rich. Nintendo 3DS handheld game consoles are also promised to hit the shelves. In addition, a series of movies shown in 3D will definitely make this technology more accessible to people.



Will 3D be a popular and far-reaching technology in 2011?

HTC quickly joined the 3D trend with the first 3D mobile phone model. Apple has also begun joining this new game by registering a patent for a simple, beautiful 3D display and automatically without glasses for portable devices such as iPods, iPhone and iPad.

### **More fierce tablet war**

2011 is expected to be the year of witnessing battles between cult-like tablets of BlackBerry's BlackBerry PlayBook or Apple's iPad 2. Especially the presence of Android tablet army is increasingly crowded. The Android 2.3 and Android 3.0 versions appear will make the Android tablet become more friendly. In addition, Intel's Oak Trail processor for tablets will go into production early next year.



Tablet computers became more and more hot in 2011 with many competitors

We also hope to have the tablets made by Google search giant. In 2011, there will definitely be five tablets rushing to the market.

### **Cloud computing and online storage**

2011 was the year that marked the emergence of Chrome OS operating system on technology products. This is the operating system that works entirely within a browser, meaning that people can access it via Chrome browser on any computer, including Windows PC or Mac. Especially Chrome OS supports cloud computing (cloud computing), in which, the programs do not need to be installed on the computer but accessed via the browser, and the user's data will be on the Internet server instead because it is stored in the PC.

This is useful because now we need to do more on the computer right on the road than at home, we also move from this device to use other devices continuously: smartphone to tablet, desktop to laptop. Electricity Voice and tablet are not capable of storing everything we want. Therefore, cloud storage is the best method.

Online storage is also a trend that many people are interested in. Our networks are fast enough and have compression technology good enough to store movies and music. Netflix (USA) is planning to launch a video hosting service. In the UK, iPlayer service is available, allowing users to view and download programs to their computers, even through mobile phones.

Since Apple acquired Lala.com music store earlier this year, an archive version of iTunes is also awaiting release.

### **Location services**

In 2010, location services are in the 'pregnancy' phase but in 2011, these services will grow and play an important part in our lives. The Google Maps service will help you get a panoramic view of where you are planning to travel or shopping places. Facebook is also promoting Deal to combine FourSquare-a-like Places with Groupon-esque.

Future location services will integrate with other applications to help your smartphone smarter, can customize the mode according to the location you are present. For example, with Nokia Situations, your phone automatically turns off the ring when you are in a place where noise is prohibited. Android phone manufacturers are also working to integrate these types of features into their products.

### **Augmented Reality (real-time interactive technology - AR)**

AR (Augmented Reality) is a technology that uses signals from real images via GPS, camera, and microphone to provide users with specific information. This technology is often known for new generation navigation applications, helping users interact directly with the surrounding environment on phones running iOS or Android. For example, the Google Sky map application will give details of stars or celestial objects when the phone camera points. Or Layar browser provides housing, shopping, ATM machines, famous restaurants .



Real-time interaction will be helpful for life

In 2011, AR will continue to become a daily technology. The latest generation version of Google Earth is showing us how to erase the line between the real and virtual worlds increasingly clearer.

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## **The tablet screen is sharper**

Manufacturers have made mistakes with consumers in bringing OLED screens into tablet products that can only bring this screen technology to mobile phones. There is only one simple reason: there is a huge need for mobile-sized OLED display panels. However, tablets with large OLED screens with a more vivid image, longer battery life and slim design will definitely be released in 2011. Apple is rumored to bring screen technology. Retina Display for iPad.

## **Mobile network quality issues**

In 2011, all smartphones, online storage applications and 3G tablets will easily connect to mobile networks with super fast, super stable and high-speed Internet access.

However, users will have to choose between expensive access or congestion because of overload. Jupiter Research's As John Levett explained that '2010 was the year when mobile data traffic surged due to the explosion of smartphone users, which caused serious overloaded 3G networks. Some network operators have dealt with this situation with data packages with different prices - a trend that will certainly increase rapidly - but the number of smartphone users keeps growing, so try it out. Network Capacity Expansion Test will be conducted in 2011 '.

## **Pay by mobile phone**

Why carry a pile of bills with people when your phone can perform all payment services from supermarket bills, air tickets . In 2011, your phone Can become an Oyster Cards or even a credit card.

## **E-Ink (Electronic ink)**

During the Christmas season this year, online retailer Amazon has launched a series of electronic inkjet devices. HTC is currently testing a display technology that can integrate the use of electronic ink for its products, while the first color E-Ink device has been sold in China. last month.

The combination of e-ink color with Sony's touch-screen e-reader has provided users with a great experience.

## **App Store**

Currently, technology companies are massively launching a series of dedicated application stores for each type of device. In addition to various mobile device application stores, Apple is preparing to unveil its own application store for Macs. In addition, when Windows 8 launches, it is likely that there will be a separate application store for this platform.

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