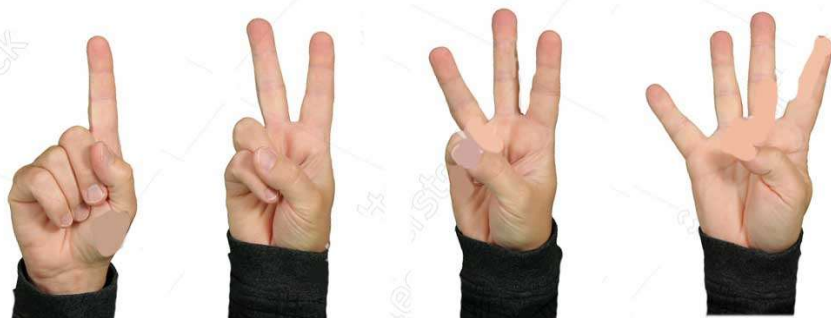
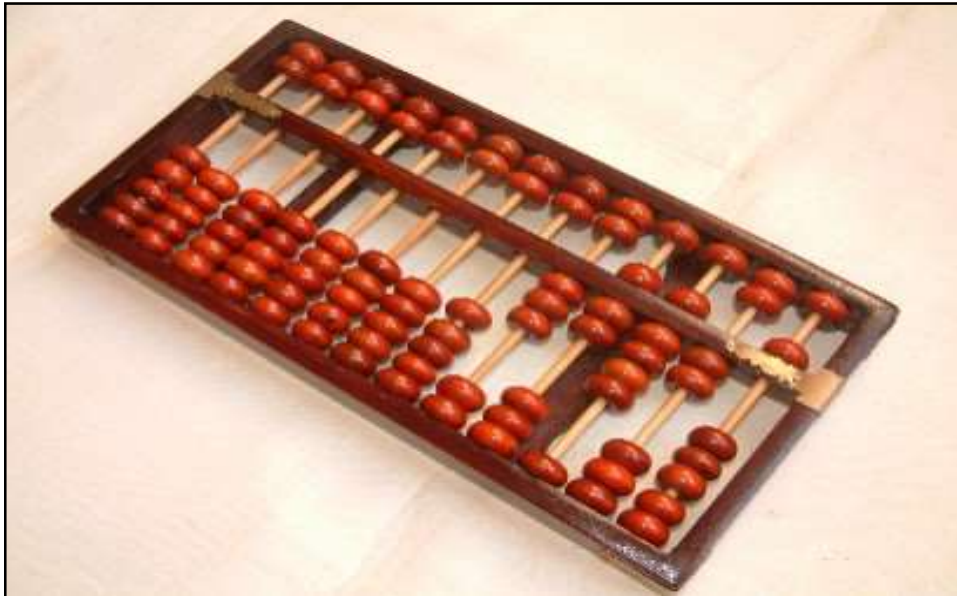


Trends in Computing December 2016



1,000,000 BC

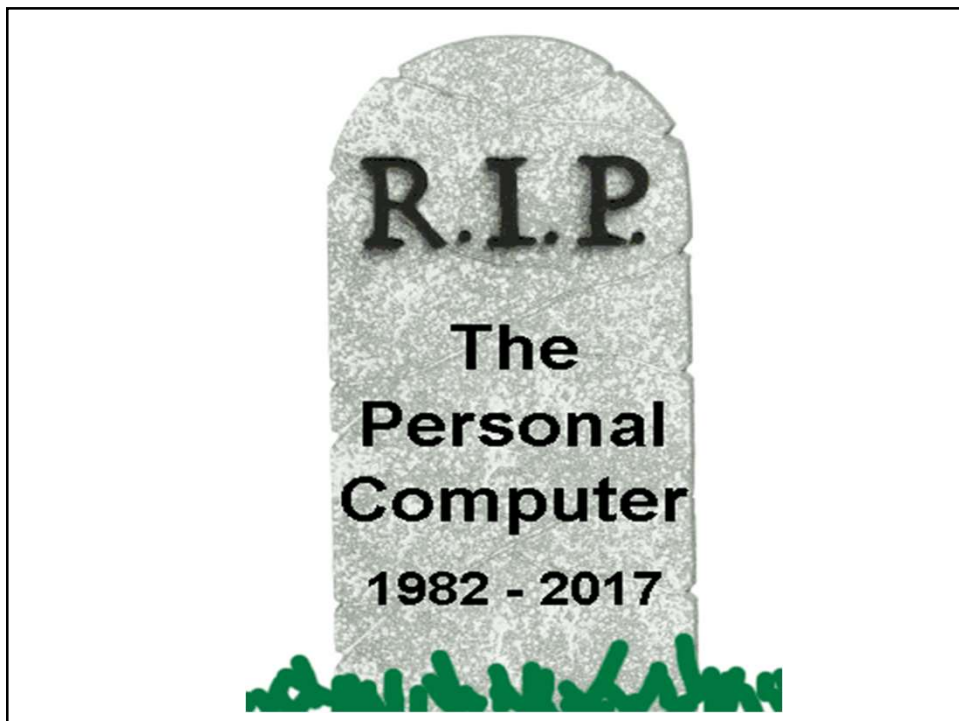


3,000 BC



1970



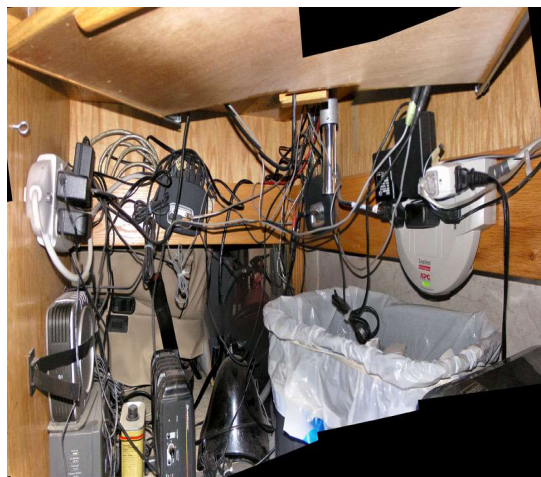


People want

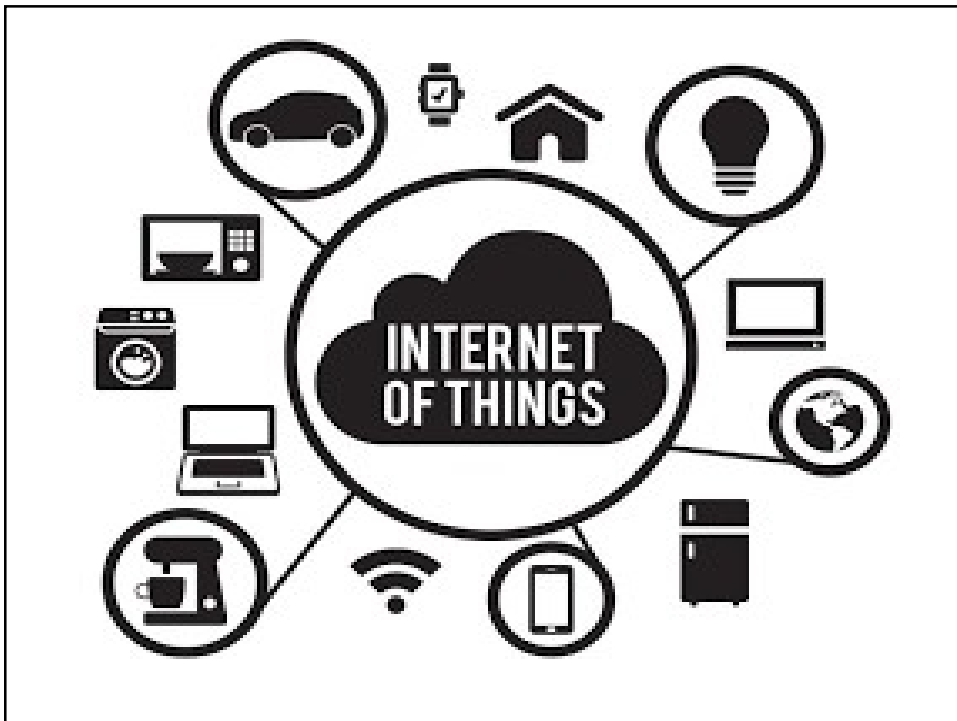
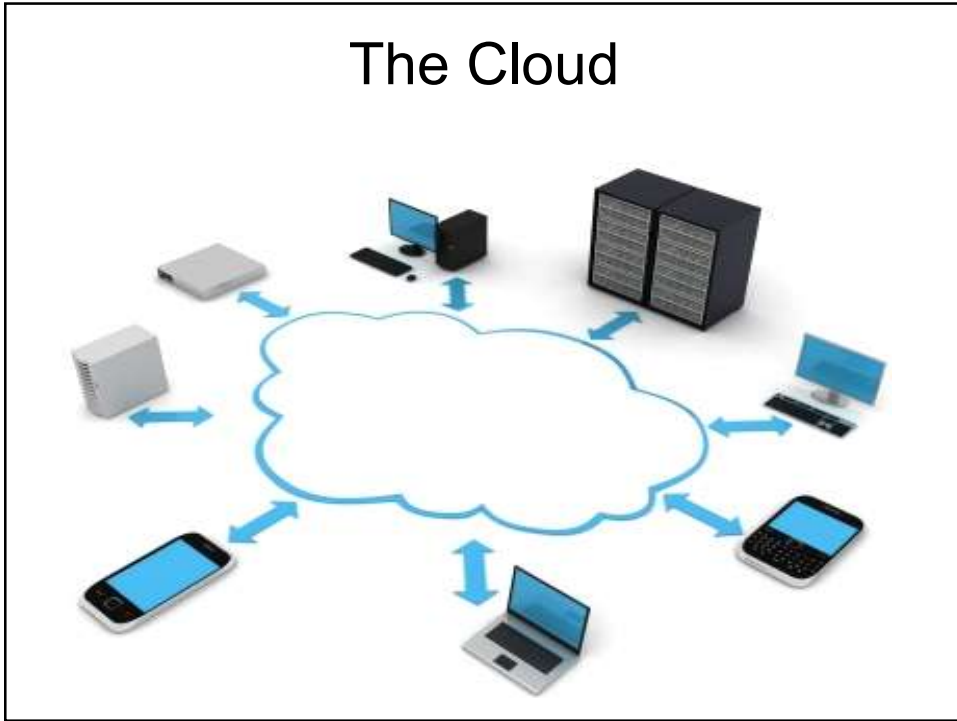
- Email
- Web browsing
- Facebook / social media
- Movies, TV and music
- Photos and camera
- Games
- Cloud-based apps
- Read books and news sources
- Minor typing and editing
- Easy to use
- Automatic backup

People DON'T want

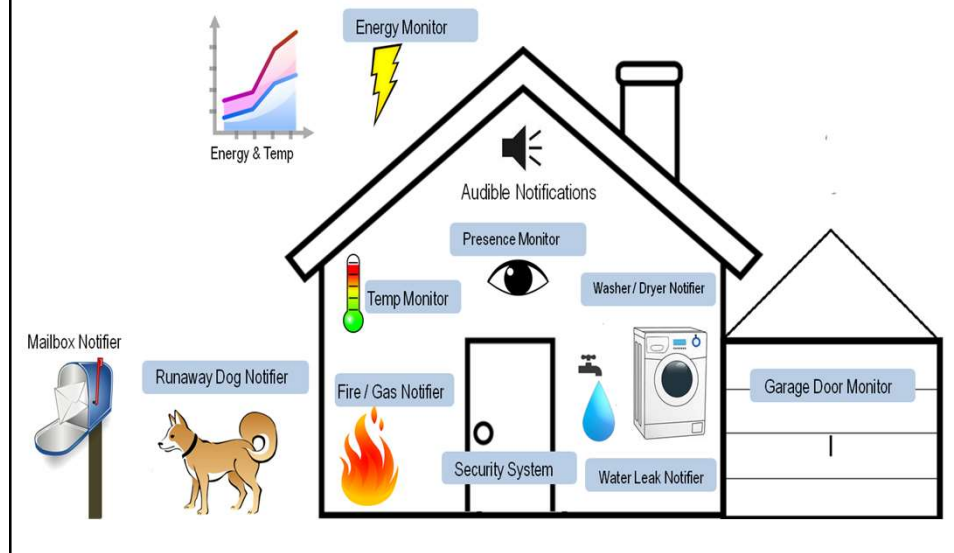
- Viruses
- Hardware failures
- Losing data
- Backing up
- Spending \$\$\$\$
- Lots of wires



The Cloud

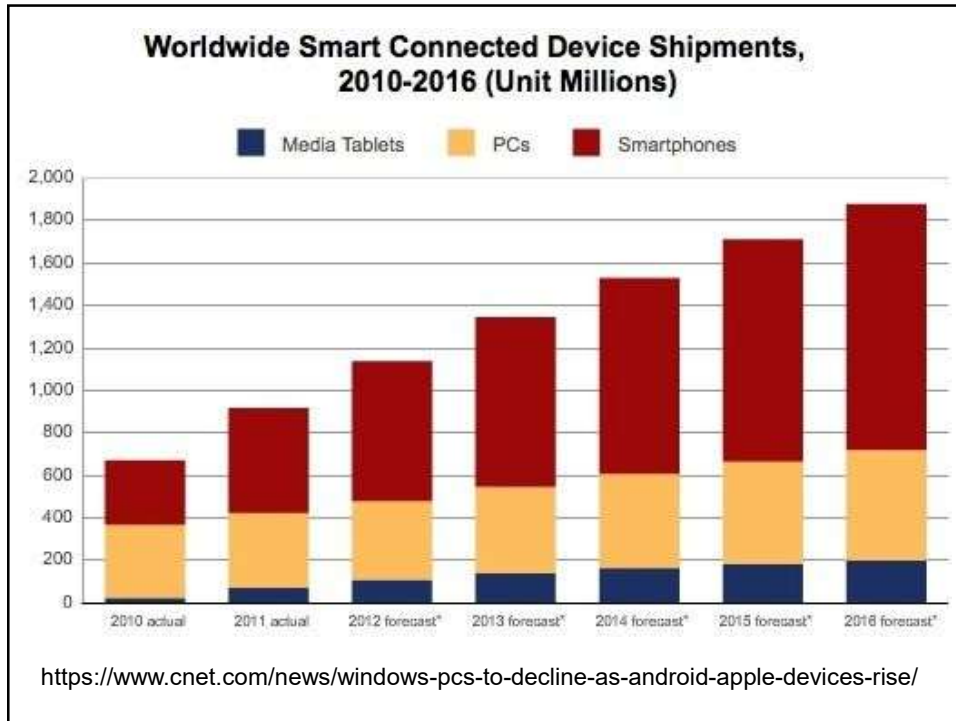


Home automation



Trends

- Moving data to the cloud
- Portable computing (move to mobile)
- The death of the desktop
- Integration with television
- Renting software (monthly fee) instead of purchase



Goodbye, computer.

Hello, other appliances.



Information Appliance

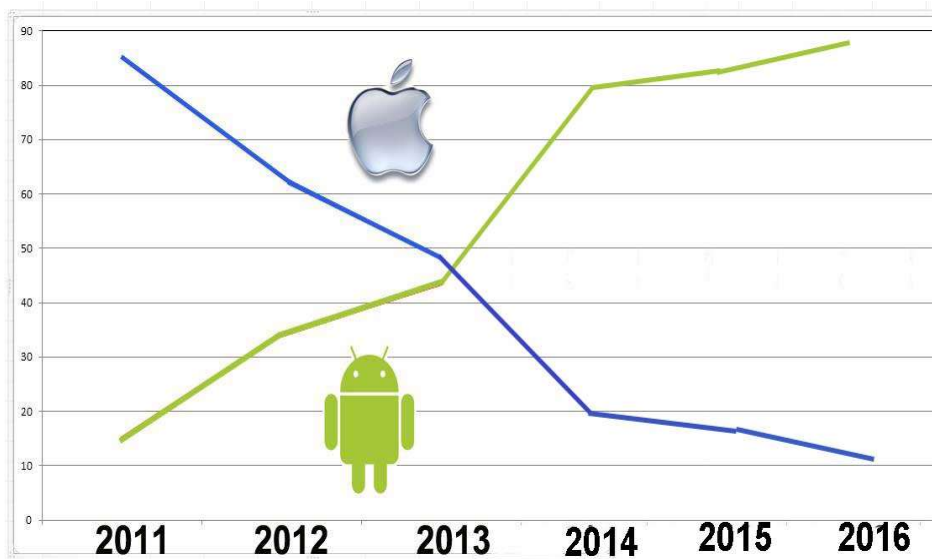
- Tablet
- Smart TV
- Kindle or e-book reader
- Smart phone
- Phablet

Smartphone

- Phone calls
- Browse internet
- Send and receive emails
- Apps
 - Maps / directions
 - Find near
 - Games
 - Pay parking meters and merchants



Smartphone sales worldwide



20

Phablet

- Very large phone, almost as big as a tablet
- Consumption device
- Watch movies, TV
- Listen to music
- Read emails
- Type short emails
- Browse internet
- Look at photos
- Read books
- Make phone calls



Tablet

- Consumption device
- Watch movies, TV
- Listen to music
- Read emails
- Type short emails
- Browse internet
- Look at photos
- Read books



Laptop computer

- Basic machines cost \$150 - \$300
- Has a keyboard
- Run Windows 10



Chromebook

- Looks like a laptop computer
- Costs \$125 - \$150
- Has a keyboard
- Run Chrome browser
- Runs Google Drive / Google Docs
- Sync with Dropbox
- Run other smartphone apps
- Needs internet to work



Cloud applications

- Google Docs / Google Drive
- Office (Word, Excel, PowerPoint)
- Evernote
- Facebook
- Spotify
- Video conferencing
- Blogging
-and more daily

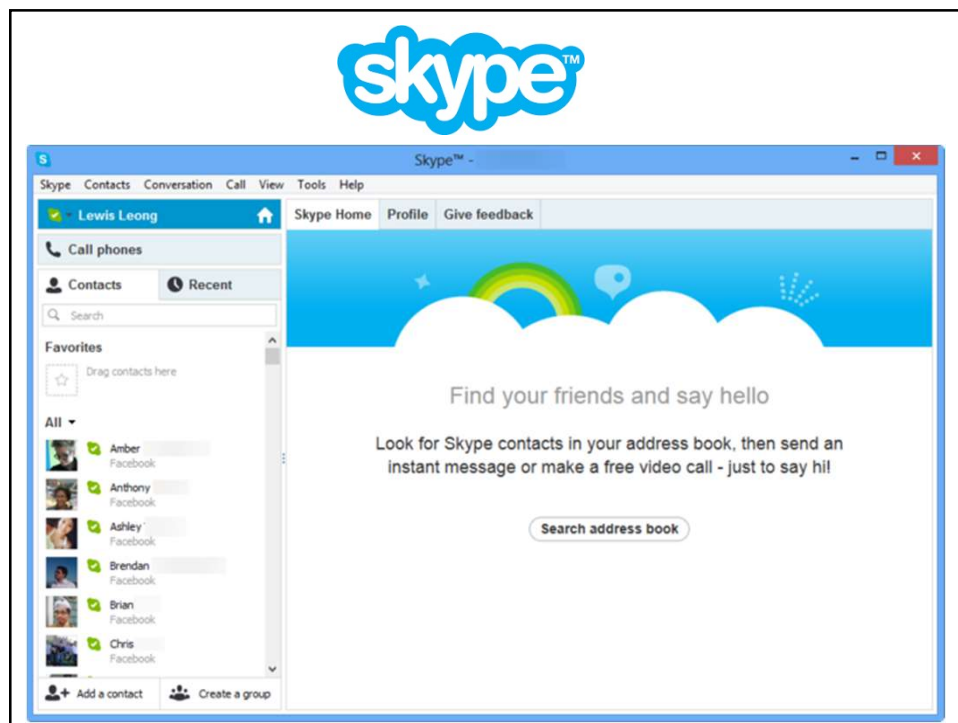
Google docs



Office



25

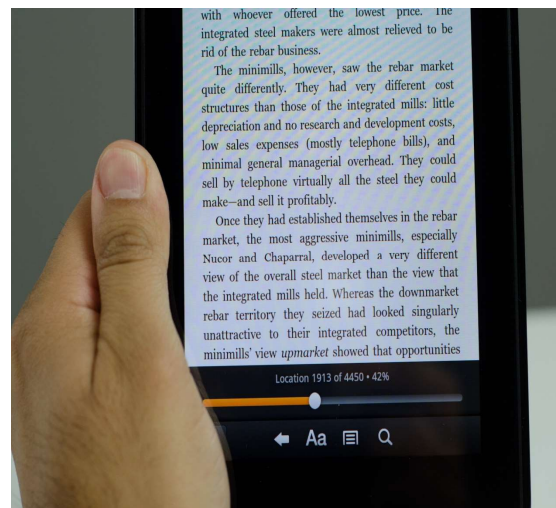


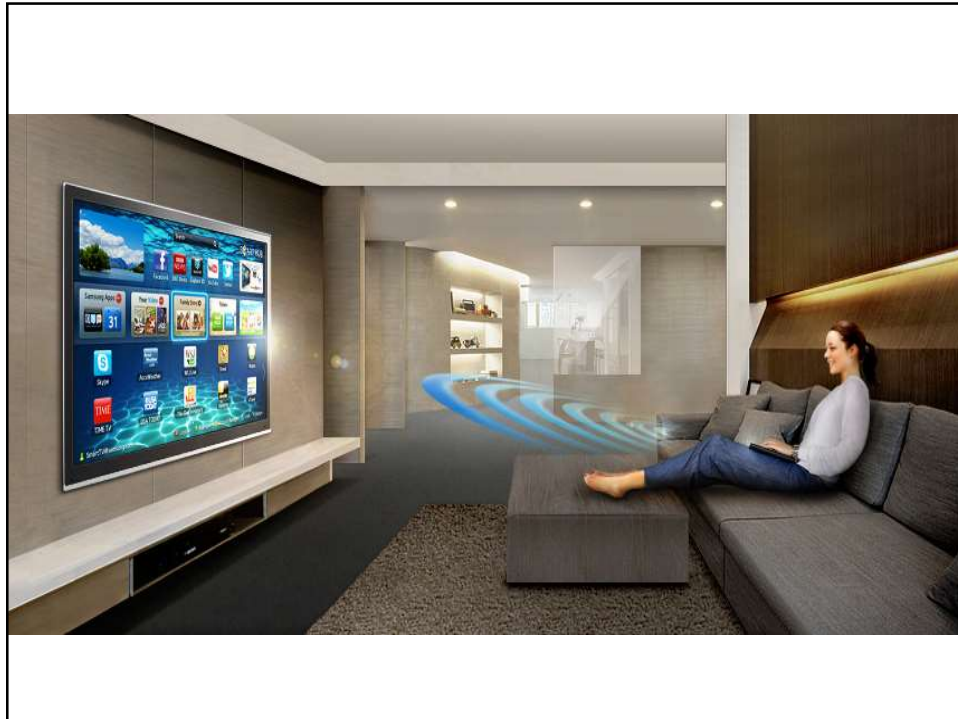
Dock your smartphone



e-Book reader

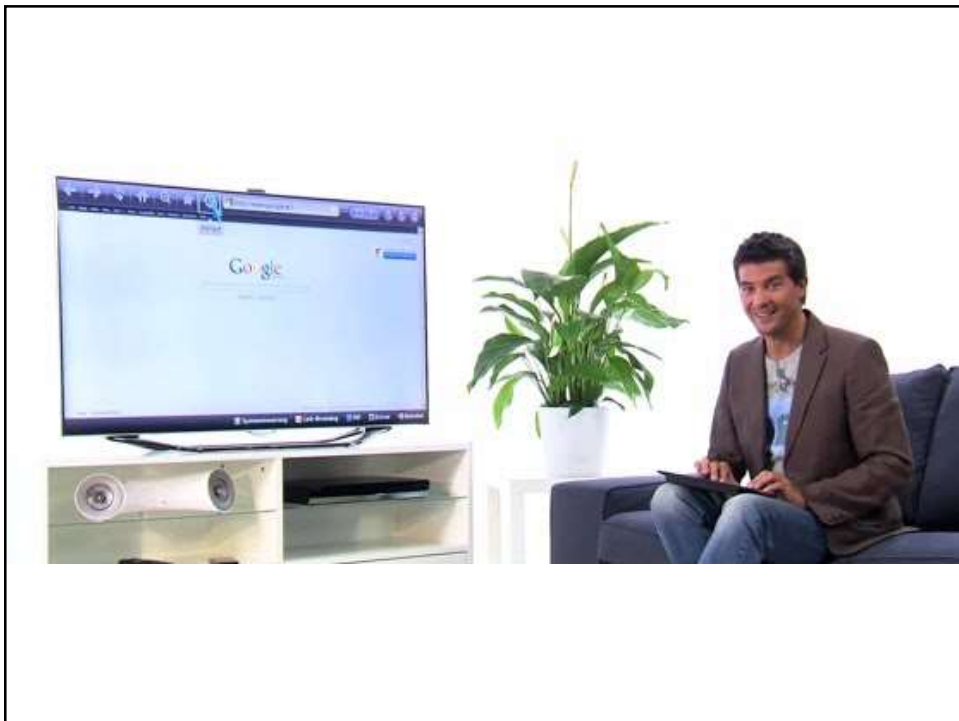
- Kindle
- Kindle Fire
- Nook
- Any smartphone
- Any laptop
- Most tablets
- Any computer





Browse internet on your TV



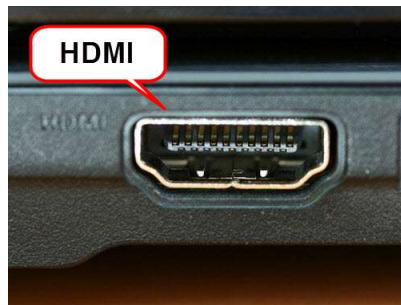


Bluetooth keyboard



chromecast

- Turn old TV into a smart TV
- Device costs \$70
- TV must have HDMI port



tv

- Turn old TV into a smart TV
- Device costs \$200
- TV must have HDMI port



Smart TV / Hybrid TV

- Browse internet
- Download movies
- Networkable
- Intelligent search
- Run apps
- Picture – in – picture



Smart TV remote control





Smart TV videos

- <http://www.suekayton.com/ComputerPowerPoints/smartTV.wmv>
- <http://www.suekayton.com/ComputerPowerPoints/browser-on-TV.wmv>

Smart TV voice and gesture control

- <https://www.youtube.com/watch?v=28ir6a2hYMw>

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