

# Smart Phones

## “Smart” Phone?

A Smart Phone is any phone which allows for the installation of applications (Apps), connectivity to a network (Internet), and provides functionality beyond that of a normal phone (Ex.: GPS). They typically have touch screens.

## OS:

Just like there are different Phone Service Providers, there are also different device layouts, called “Operating Systems” (or OSes).

These are the most popular:

- Android OS (Google’s OS)
- iOS (Apple’s OS)
- Windows 8 RT (Microsoft’s OS)

While nearly any device can have any OS, the iOS is only used on Apple devices.

## Specs:

The technical specifications are important when choosing a device:

**Resolution:** 640×480 (VGA) to 1920×1080 (Full HD)

**Processor:** Up to quad-core

**Camera:** More MegaPixels is better.  
Some have two cameras (front/back)!

**Storage:** Internal vs. MicroSD

**3g/4g Data Coverage:** Internet. Check your coverage before buying!

Types:

## Flip (Clamshell)

### Brick



### Blackberry



## Touch Screen



## Slider



## Swivel



## Common Functionality of Smart Phones:

- Ringtones
- Text messaging
- Airplane Mode
- GPS mapping
- Calendar/Clock
- Internet web browsing
- Email
- Weather
- Mp3/Music Playing
- Camera (Picture/Video)

## Other Common Features of Smart Phones:

- Accelerometer
- Compass
- Gyroscope
- Proximity sensors
- Light sensors
- Magnetometer
- Facial Recognition
- QR/Barcode Scanner
- Bluetooth
- Gorilla Glass
- WiFi a/b/g/n
- WiFi Hotspot
- Voice search
- Virtual surround
- Noise cancellation
- Multi-touch
- Touch-based hotkeys
- FM radio
- HDMI port
- Stylus

## Apps:

Applications: programs or games that can be installed on your phone.

Some are free.

Purchasable on: Google Play Store, Apple App Store, Blackberry World, etc.

Apple App Store has 775,000 apps available and has sold over 40 billion

Google Play Store has 800,000 apps available and has sold over 25 billion

<b>Store</b>	<b>2009 (millions)</b>	<b>2010 (millions)</b>
<b>Apple App Store</b>	\$769	\$1,782
<b>Blackberry App World</b>	\$36	\$165
<b>Nokia Ovi Store</b>	\$13	\$105
<b>Google Play</b>	\$11	\$102
<b>Total</b>	\$828	\$2,155

## Most Popular Apps

Android Apps	Paid Apple apps	Free Apple apps
Facebook	Angry Birds	Facebook
Maps	Doodle Jump	Skype
WhatsApp Messenger	Fruit Ninja	eBay
Angry Birds	Cut the Rope	Google Earth
YouTube	TuneIn Radio Pro	Google Search
Skype	Monopoly	Twitter
Twitter	Fat Booth	Paper Toss
Adobe Flash Player	Flight Control	Bump
Facebook Messenger	SCRABBLE	BBC News
Gmail	Tiny Wings	Shazam
Adobe Reader	The Sims 3	Talking Tom
Voice Search	Where's Wally? In Hollywood	Pac-Man Lite
Google+	Sleep Cycle alarm clock	Sky Sports Live Football Score
Google Search	Moto X Mayhem	Waterslide Extreme
Google Play Books	Color Splash	Touch Hockey:FS5 (free)
	Camera+	Sky News
	Flick Kick Football	iPint
	The Moron Test	Facebook Messenger
	Sonic the Hedgehog	Met Office Weather

## Keeping private info private

- Antivirus Apps
- Smartphone Locks
- Set timeout low
- Phone Tracking/Lost Phone Apps
- Remote wiping
- Wrong PIN limit
- Careful of malicious Apps!
- CLEAR YOUR COOKIES!