

FACTORS

THE REFERENCE GUIDE FOR PLANNING, BUILDING & RELEASING APPS



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Why We Created *Factors*

Our customers often ask us a simple question:

On what devices and browsers should I be testing my apps and websites?

As the leader in quality for mobile apps and websites, Perfecto is uniquely positioned to give the most accurate answer. In this report, we've merged our exclusive data with current market data to provide a benchmark of devices, web browsers and user conditions (location changes, apps in the background) to test on, to aid in your pursuit of digital excellence. This is the culmination of what we've learned from our most-valued customers and we're excited to pass these insights on to you.

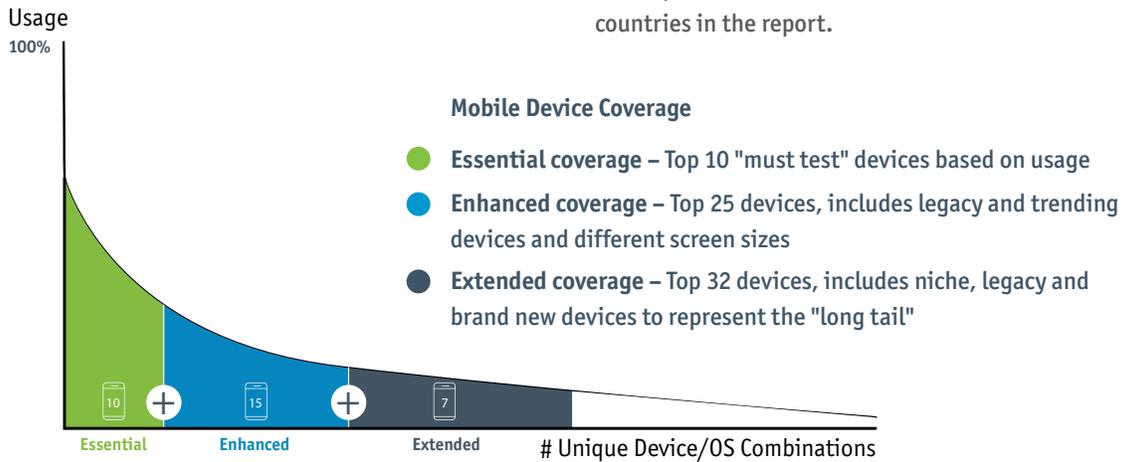


How We Built the Index



No single data source tells the full story, so for these indexes we've combined exclusive Perfecto data and mobile market usage data across a variety of countries into our own analysis.

The indexes offer up-to-date benchmarks that list the top smartphones, tablets and operating systems based on usage. **These are the device/OS combinations on which you should develop and test your mobile, web and responsive web apps.** For desktop browsers, we include one index that can be applied to all 14 countries in the report.



How to Read Factors

Each country featured in the report gets its own digital coverage profile with testing recommendations for mobile devices and operating system versions to create a holistic view of what's required for digital quality testing.

To identify your most optimal test coverage, you'll first need to determine your device coverage goal.

Devices that Matter to You

Our list of 32 devices per index for each country is winnowed down from hundreds of possible devices to give you the maximum coverage with the fewest devices possible. Each index is divided into three groups—"Essential", "Enhanced" and "Extended" (See graphic above). Each group includes the previous group's devices. If your testing covers all 32 devices across the three groups, you'll have the most complete recommended test coverage with the least risk.

Select your target country and then refer to the corresponding device list, making note of the "recommended OS version" column to see the recommended testing mix of devices and platforms. We include an up/down arrow or equals sign to indicate usage changes since last quarter. Devices that are new to the index or are reference devices running the latest OS are marked as such.

In this edition, we're featuring the top 16 most-used apps across six countries. We recommend installing and launching these apps prior to testing your mobile app to get you closer to the real user environment.

Testing Web Browsers

In our standalone Web Test Coverage Index (pg. 10), we list the browser/OS combinations—categorized by Latest, Previous and Newest Beta—that organizations in every country should test on to achieve desired market coverage. Given that browser versions update quickly and often automatically without users knowing, it's important to ensure that browser quality aligns with a variety of OS versions.

And finally, we've included an updated **mobile market and web calendars** (pgs 25 and 26) showing what device models, OS versions and browser/OS combinations to look out for this year.

Note

Factors is an objective reflection of selected markets based on mobile device usage of specific operating system versions. Some of the device and operating system combinations that are recommended in this report may no longer be available from OEMs or wireless network providers due to today's ever-changing market dynamics.

Key Takeaways

Market Insights & Recommendations

- 1. **Beta OS versions** remain an important aspect of your test coverage strategy. With Apple releasing 7 different minor iOS 10 versions since the iOS 10 launch in September 2016, iPhone/iOS 10 beta are a must-include device/OS combination. On the browser side, Chrome and Firefox beta versions are also critical to test for sustaining the quality of your mobile web/responsive websites. Look ahead to the upcoming **Chrome 59** that is going to change the browser UI. Implementing visual based test automation could be a great way to overcome such changes.



- 2. **Android fragmentation** continues to be a challenge from dev and test perspective. Teams ought to have a well structure of their test automation suites in place to support the various Android OS supported capabilities across the various devices. **Android O** that is in developer preview stage, is also going to introduce more Dev and test challenges.



Galaxy S7 Galaxy S7 Edge

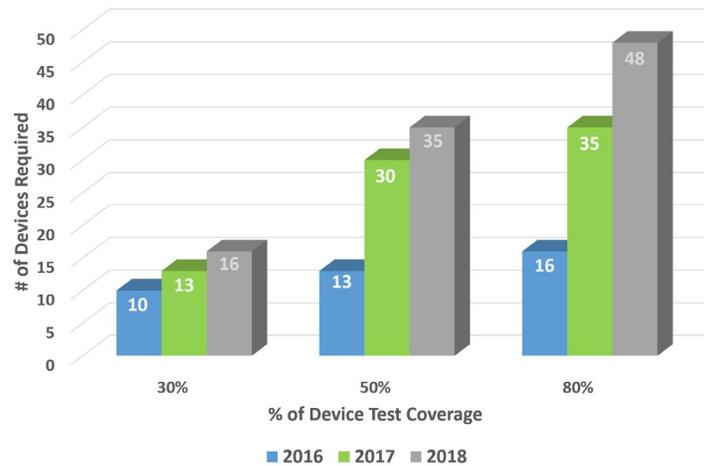
- 3. **Galaxy S7 and S7 Edge were a turning point for Samsung:** Over the last year, Samsung has seen a revenue slowdown because of competition from both Apple and emerging Android vendors OnePlus, Xiaomi and Huawei. With the launch of Samsung S7 & S7 Edge, the company is regaining its market share. We can see in this edition of the Index and the previous one, that Samsung is the de-facto brand in many countries, which should impact the test coverage plans in Brazil, India, Netherlands, UK, Germany and U.S. where Samsung is the leading Android vendor. With the releases of **Samsung S8 and S8 plus** that introduce new screen sizes, the test coverage should be adapted accordingly.
- 4. **Test automation framework and open-source:** with organizations shifting toward open-source test automation frameworks, it is important **to understand the differences** and requirements in order to assign the right one for your projects. In many cases, it's recommended to have a mix of more than 1 framework (e.g. Appium and XCTest UI/Espresso)

to allow both dev to develop unit tests and DevTest/QA to develop system level functional test automation.

- 5. **H2 is going to change the mobile space with iOS 11 and Android O releases:** Both Apple and Google are planning huge changes in the OS level as well as new iPhone 8 series. Plan for Q3 first hands-on experience with these Beta versions for quick feedback on your project status and your app compatibility with the upcoming major releases.
- 6. **Lab size is expected to slightly grow YoY as market matures:** Looking at the below annual growth projection, shows a slight growth in a 10, 25 and 32 device lab based on new devices that are introduced in the market in a higher pace than older devices are retired or used in a non-significant way. What we see is an annual introduction of around 15 leading devices per year with an average retirement of 5-7 per year due to decreased usage, terminated support by vendor etc. Integrating these numbers into the 30%-80% model would bring the annual growth as demonstrated in the following graph.

Lab Size Annual Growth

of Devices, Coverage %, Yearly



Regional Insights

Brazil:

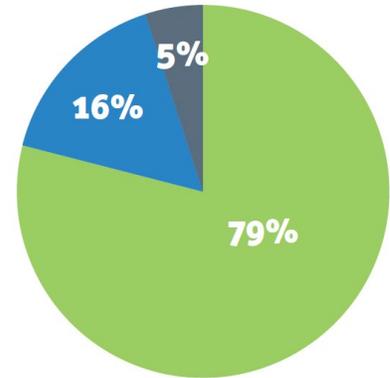
Brazil is very well dominated by **Android OS**, with the major players that are operating in that region are Samsung with nearly 50% market share, followed by Motorola, LG and Alcatel. Apple is only picking a small 4% of this market.



EU5, UK and Germany:

Europe has a lot in common with the U.S around the Samsung and iOS devices, however it is seeing clear and growing trend of Chinese devices such as Huawei and OnePlus. Huawei P8lite, Huawei P9lite, and Huawei P8/P9 are showing growth in usage in this region and ought to be included in testing coverage for these countries.

- iOS 10
- iOS 9 16%
- Earlier 5%



China:

In **China** Apple is taking ~10% of the market share while again, Android is the most dominant vendor as reflected in the Index itself. Vendors such as OPP, Huawei and Vivo are holding ~50% of that market. Amazingly, Samsung is not in the top 5 vendors in China. Take the below and the Index into account when building your device coverage for China.

Top Five Smartphone Vendors in PRC, Shipments, Market Share, and Year-Over-Year Growth, 2016 Preliminary Data (Units in Millions)

| Vendor | 2016 Shipment Volume | 2016 Market Share | 2015 Shipment Volume | 2015 Market Share | Year-Over-Year Growth |
|-----------|----------------------|-------------------|----------------------|-------------------|-----------------------|
| 1. OPPO | 78.4 | 16.8% | 35.3 | 8.2% | 122.2% |
| 2. Huawei | 76.6 | 16.4% | 62.9 | 14.6% | 21.8% |
| 3. Vivo | 69.2 | 14.8% | 35.1 | 8.2% | 96.9% |
| 4. Apple | 44.9 | 9.6% | 58.4 | 13.6% | -23.2% |
| 5. Xiaomi | 41.5 | 8.9% | 64.9 | 15.1% | -36.0% |
| Other | 156.7 | 33.5% | 173.4 | 40.3% | -9.6% |
| TOTAL | 467.3 | 100.0% | 429.9 | 100.0% | 8.7% |

Source: IDC Quarterly Mobile Phone Tracker, Feb 6, 2017

Understand 2017 Smartphone Market Trends to Plan Your Future Mobile Strategy

IHS-Markit, the world's leading source for research, analysis, and strategic guidance in the technology, media, and telecommunications industries, sets out the key smartphone trends and briefly analyzes the implications:

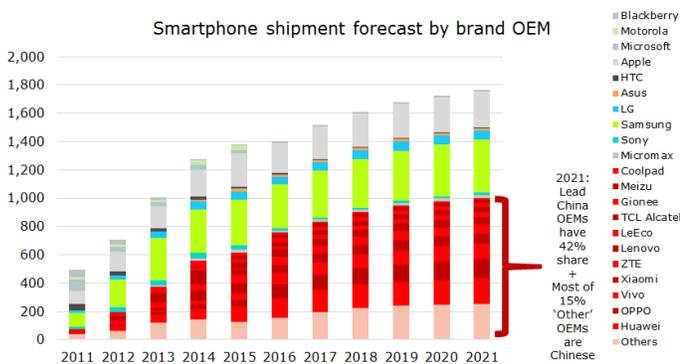
1) Timing trade-offs: OEMs have adopted different flagship strategies, some using older hardware, because Qualcomm's Snapdragon 835 will be available at a later date than previous years' chipsets and initially in limited supplies. There were three main approaches which smartphone makers adopted at MWC2017:

- Use last years' chipset and launch early, e.g. LG G6, Huawei P10 (as well as HTC's U Ultra, announced in January).
- Pre-announce using upcoming Snapdragon 835, but ship in late Spring. Examples include ZTE, Sony Xperia XZ Premium
- Delay flagship announcement until closer to availability, for example Samsung, Lenovo/Moto, Xiaomi, HMD/Nokia, Oppo and Vivo.

Samsung will be the first to ship a flagship with the Snapdragon 835 in late April 2017 with the arrival of the Galaxy S8 and S8+, and other flagships using this years' flagship Qualcomm chipset will arrive gradually over subsequent months. However, while IHS Markit expects Samsung to use most of the initial 835 production, many S8 models in Europe and Asia will use Samsung's 2017 in-house Exynos chipset.

2) Rising Chinese Stars: It continues to be critical to watch the activities – and successes – of the rising Chinese stars, many of which are looking to develop an enhanced export strategy. As a result, established smartphone OEMs are under increasing pressure, affecting profits.

Established OEMs are under increasing pressure from rising China stars, affecting profits



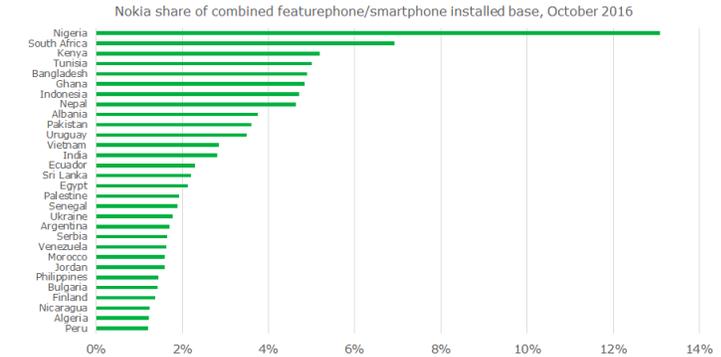
Source: IHS-Markit Smartphone Intelligence Service – Premium



3) Brand Power Revival: As the smartphone market matures, brand becomes a more important way to market given the commonality across hardware designs. Notable examples have included Chinese OEM TCL's launch of a BlackBerry brand handset. Huawei renewed its Leica partnership and is also now working with GoPro. Start-up HMD launched its first global Android smartphone models under the Nokia brand and revived the iconic Nokia 3310 featurephone.

Today, the Nokia brand is predominantly strong in emerging markets only. However, Nokia 3310 nostalgia will help HMD re-enter Europe.

Nokia brand is now only strong in emerging markets, But Nokia 3310 nostalgia will help HMD re-enter Europe



4) New Design Language- wide HDR displays, glass: LG, Sony and Samsung have all launched devices with high dynamic range (HDR) displays which offers vivid color. IHS Markit expects there will soon be many more HDR-capable smartphones in use than any other device category because of the size of the smartphone market and the rapid replacement cycle.

The wider 18:9 aspect ratio of the LG G6 heralds a renewed move to increase screen size inside a similar volume with much smaller bezels. Most OEMs, with the exception of Huawei, Apple and TCL's BlackBerry, are moving fingerprint sensor to the rear to make space. This shape display improves the video viewing experience and also offers new ways to display traditional smartphone apps side by side

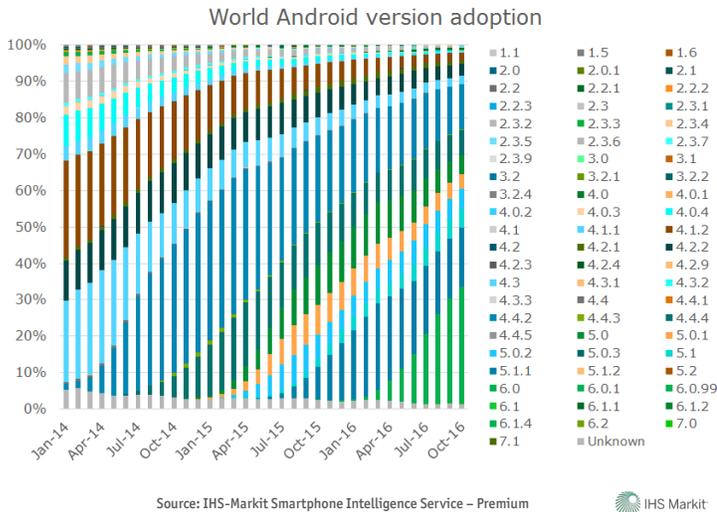
5) Smarter smartphones with Embedded AI: Machine learning is becoming a standard part of what makes a smartphone smart. The smartphone is the perfect device to offer AI voice agents because it is a personal device so all training data ties back to an individual.

Consumers' entire lives exist on a smartphone, ready to be used for machine learning analysis, and smartphones have extensive selection of sensors an AI agent can use to understand the world.

5) Smarter smartphones with Embedded AI (cont'd)

AI can be used in multiple ways on smartphones. The voice agent is the most visible, but it's far from the only approach. Huawei's new P10 smartphone includes a new photo gallery organization feature co-developed with GoPro, similar to Apple's Photos app or Google Photos. Lenovo announced an add-on Alexa Moto mod with additional microphone array.

Most significantly, Google announced its Assistant will be made available for download for all Android v6 and v7 smartphones, in essence for almost all modern Android smartphones.



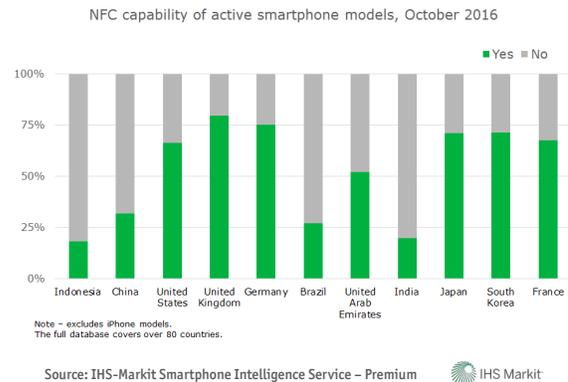
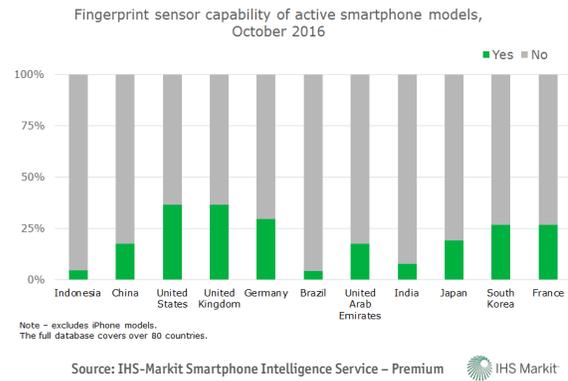
6) Modular mobile experiences: The mobile experience used to be delivered only on the smartphone device itself. Last year, OEMs launched modular hardware designs to extend the experience. Now, there is a shift to focus more on extending the mobile experience to run across wireless-connected smart accessories as well, such as 'hearables', 'smart glasses', smartwatches and fitness trackers. In 2017, Sony showed its Xperia Ear stereo prototype with intelligent audio. Lenovo announced a range of new hardware modules. TCL Alcatel went modular with the LED case for A5 smartphone. Vuzix demonstrated smartglasses, while the new cellular Huawei Watch 2 can run Google Assistant, providing users with a choice where to interact with Google's AI, either on their wrist or on their phone.

Sensors are key enablers for this modular experience, and their use is increasing in both smartphones as well as connected wearable devices for mobile payments, security, and enabling devices to be better aware of the world around them.

However, to become a critical piece of a user's everyday experiences, smartphones must benefit from a range of technologies, from NFC for payments, transport, marketing and other features, to fingerprint sensors for enhanced security. Developers need to be aware that the ability of smartphones to support enhanced functionality will vary significantly by country, with older or less expensive models being more commonplace in certain locations around the world.

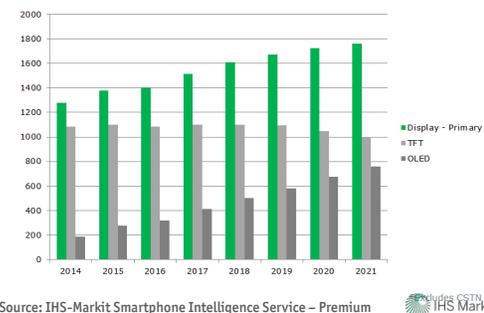
7) Gigabit LTE: Operators and vendors are heavily marketing the

latest evolution of LTE speed increases. On hardware, Samsung announced 'Gigabit LTE' support for its upcoming Exynos 8895 chipset which will be included in the upcoming Galaxy S8 flagship; Sony's Xperia XZ Premium marketed support with Qualcomm's Snapdragon 835; ZTE pre-announced it would support gigabit LTE but with little detail and Motorola has demonstrated a working 'Gigabit LTE' smartphone running on Sprint's Band 41 network in the US



8) Rise of OLED capacity: With the strategic investment of Apple in OLED display technology and capacity for their upcoming iPhones, IHS Markit is forecasting a dramatic growth of OLED share of overall smartphone displays growing from 27% in 2017 to 43% of all smartphone displays in 2021. OLED displays affords smartphone OEMs more design options as the backplane substrate is flexible in OLED (instead of rigid for LCD), allowing designs to make thinner smartphone displays with little to no bezel. Additionally, OLED's low persistence makes it suited for VR usage.

Smartphone Shipments using TFT and OLED Primary Displays



To find out more about IHS-Markit's coverage of the smartphone, media, gaming, app and other related markets, please contact Lisa.Arrowsmith@ihsmarkit.com to arrange a briefing with one of our industry-leading analyst team. For detailed smartphone information, please refer to the IHS-Markit Smartphone Intelligence Service – Premium.

Web Test Coverage – Global



CHROME
(15 COMBINATIONS)



FIREFOX
(9 COMBINATIONS)



INTERNET EXPLORER
(5 COMBINATIONS)

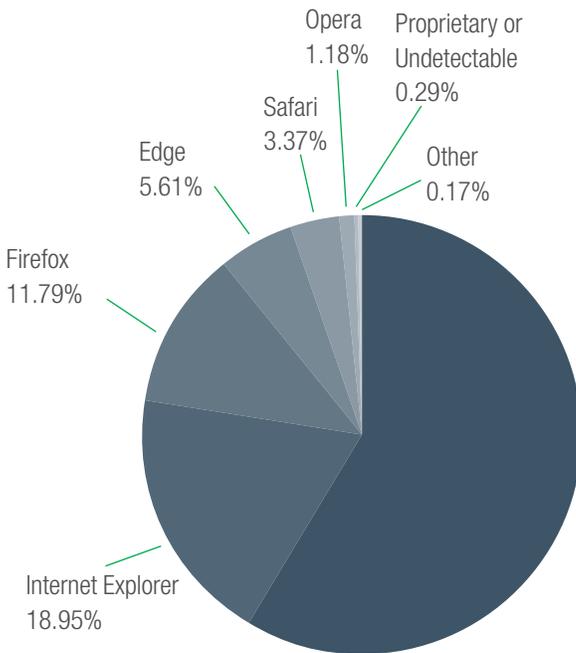


SAFARI
(3 COMBINATIONS)

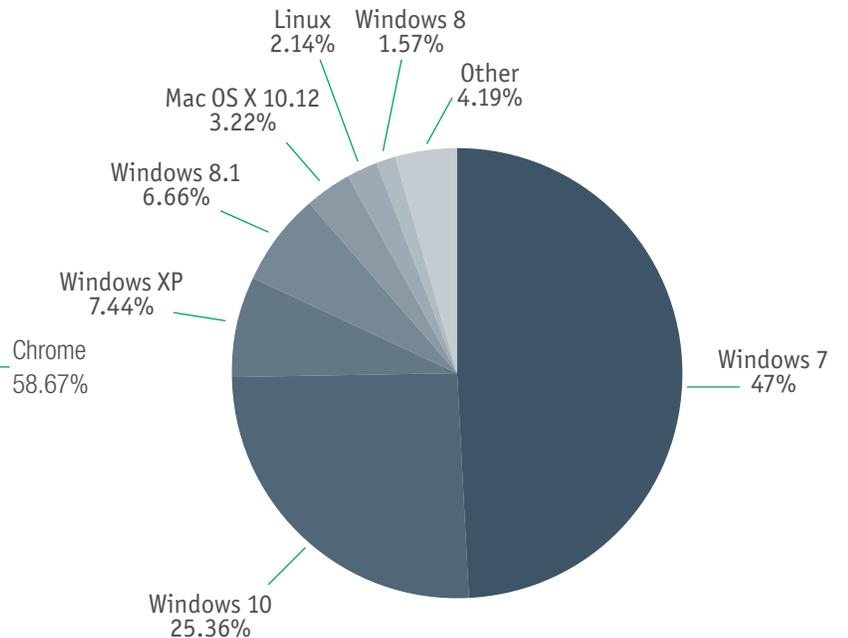


EDGE
(1 COMBINATION)

Global Web Browser Popularity-



Global OS Popularity



TESTING FOR: WEB MOBILE IOT



PERFECTO IS THE ONLY SINGLE PLATFORM FOR WEB, MOBILE, AND IOT SOFTWARE TESTING.

Eliminate test lab complexity with Perfecto, featuring real web browsers, smart phones and devices in the cloud. One platform for all digital software testing. Only with Perfecto.



Essential

| Device Name | Screen Size | Screen Resolution | PPI (Pixel Per Inch) | Release Date | Recommended OS Version |
|-------------------------|-------------|-------------------|----------------------|--------------|------------------------|
| Apple iPhone 6 = | 4.7" | 750 x 1334 | 326 | Sep-2014 | iOS 10.3.1 |
| Apple iPhone 5S ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Samsung Galaxy S7 ↑ | 5.1" | 1440 x 2560 | 577 | Mar-2016 | Android 7.0 |
| Samsung Galaxy S6 ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Apple iPhone 6 Plus = | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Samsung Galaxy S5 ↓ | 5.1" | 1080 x 1920 | 432 | April 2014 | Android 6.0.1 |
| Apple iPhone 6S | 4.7" | 750 x 1334 | 326 | Sep-2015 | iOS 10.3.1 |
| Apple iPhone 5C ↑ | 4.0" | 640 x 1136 | 326 | Sep-2012 | iOS 10.2.1 |
| Samsung Galaxy Note 5 = | 5.7" | 1440 x 2560 | 515 | Aug-2015 | Android 7.0 |
| Google Nexus 6P = [REF] | 5.7" | 1440 x 2560 | 518 | Oct-2015 | Android 7.1.2 |

Enhanced

| | | | | | |
|--------------------------|------|-------------|-----|------------|---------------|
| Apple iPad 2 ↓ | 9.7" | 1024 x 768 | 132 | Mar-2011 | iOS 9.3.5 |
| Samsung Galaxy S4 ↓ | 5.0" | 1080 x 1920 | 440 | Apr-2013 | Android 5.0.1 |
| Apple iPhone 7 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2016 | iOS 10.3.1 |
| Apple iPad mini ↑ | 7.9" | 1024 x 768 | 162 | Nov-2012 | iOS 9.3.5 |
| Samsung Galaxy S7 Edge ↑ | 5.5" | 1440 x 2560 | 534 | Mar-2016 | Android 6.0.1 |
| Samsung Galaxy Tab S2 ↑ | 9.7" | 1536 x 2048 | 264 | Sep-2015 | Android 6.0.1 |
| Apple iPad Air 2 ↑ | 9.7" | 2048 x 1536 | 264 | Oct-2014 | iOS 10.3.1 |
| Apple iPhone 6S Plus ↓ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Apple iPhone 4S ↑ | 3.5" | 640 x 960 | 330 | Oct-2011 | iOS 9.3.5 |
| Samsung Galaxy S6 Edge ↓ | 5.1" | 1440 x 2560 | 515 | April 2015 | Android 6.0.1 |
| Google Pixel ↑ | 5.0" | 1080 x 1920 | 441 | Oct-2016 | Android 7.1.2 |
| Apple iPhone 7 Plus ↑ | 5.5" | 1080 x 1920 | 401 | Sep-2016 | iOS 10.3.1 |
| Apple iPad Air ↓ | 9.7" | 2048 x 1536 | 264 | Oct-2013 | iOS 9.3.5 |
| Google Pixel XL NEW | 5.5" | 1440 x 2560 | 534 | Oct-2016 | Android 7.1.2 |
| Apple iPad 4 ↓ | 9.7" | 2048 x 1536 | 264 | Nov-2012 | iOS 10.3.1 |

Extended

| | | | | | |
|-------------------------------|-------|-------------|-----|----------|---------------|
| Apple iPad mini 2 ↓ | 7.9" | 2048 x 1536 | 324 | Nov-2013 | iOS 10.3.1 |
| Motorola Moto Z NEW | 5.5" | 1440 x 2560 | 535 | Sep-2016 | Android 7.0 |
| iPad Pro ↑ | 12.9" | 2048 x 2732 | 264 | Nov-2015 | iOS 10.3.1 |
| Samsung Galaxy Tab 4 ↑ | 10.1" | 800 x 1280 | 149 | Feb-2014 | Android 5.0.2 |
| Samsung Galaxy Grand Prime ↑ | 5.0" | 540 x 960 | 220 | Oct-2014 | Android 5.1.1 |
| Samsung Galaxy S6 Edge Plus ↓ | 5.7" | 1440 x 2560 | 518 | Aug-2015 | Android 6.0.1 |
| LG V20 = | 5.7" | 1440 x 2560 | 513 | Oct-2016 | Android 7.1 |



Essential

| Device Name | Screen Size | Screen Resolution | PPI (Pixel Per Inch) | Release Date | Recommended OS Version |
|------------------------------------|-------------|-------------------|----------------------|--------------|------------------------|
| Apple iPhone 6 = | 4.7" | 750 x 1334 | 326 | Sep-2014 | iOS 10.3.1 |
| Apple iPhone 5S ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Samsung Galaxy S6 ↓ | 5.1" | 1440 x 2560 | 515 | April 2015 | Android 6.0.1 |
| Apple iPhone 5C ↑ | 4.0" | 640 x 1136 | 326 | Sep-2012 | iOS 10.2.1 |
| Samsung Galaxy S7 ↑ | 5.1" | 1440 x 2560 | 577 | Mar-2016 | Android 7.0 |
| Samsung Galaxy S5 neo (SM-G903W) ↑ | 5.1" | 1080 x 1920 | 432 | Aug-2015 | Android 6.0.1 |
| Apple iPhone 6 Plus ↓ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Samsung Galaxy S5 ↑ | 5.1" | 1080 x 1920 | 432 | Apr-2014 | Android 6.0.1 |
| Apple iPhone 4S ↓ | 3.5" | 640 x 960 | 330 | Oct-2011 | iOS 10.3.1 |
| Google Nexus 6P NEW [REF] | 5.7" | 1440 x 2560 | 518 | Oct-2015 | Android 7.1.2 |

Enhanced

| | | | | | |
|---------------------------------|-------|-------------|-----|-----------|---------------|
| Apple iPhone 6S = | 4.7" | 750 x 1334 | 326 | Sep-2015 | iOS 10.3.1 |
| Apple iPad mini ↑ | 7.9" | 1024 x 768 | 162 | Nov-2012 | iOS 9.3.5 |
| Samsung Galaxy S4 ↓ | 5.0" | 1080 x 1920 | 440 | Apr-2013 | Android 5.0.1 |
| Apple iPhone 7 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2016 | iOS 10.3.1 |
| LG G4 ↑ | 5.5" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0 |
| Samsung Galaxy Tab E NEW | 9.6" | 800 x 1280 | 157 | Jul-2015 | Android 5.1 |
| Apple iPad 2 ↓ | 9.7" | 1024 x 768 | 132 | Mar-2011 | iOS 9.3.5 |
| Samsung Galaxy S7 Edge ↑ | 5.5" | 1440 x 2560 | 534 | Mar-2016 | Android 7.0 |
| Apple iPad mini 2 ↑ | 7.9" | 2048 x 1536 | 324 | Nov-2013 | iOS 10.3.1 |
| Samsung Galaxy Grand Prime ↓ | 5.0" | 540 x 960 | 220 | Oct-2014 | Android 5.1.1 |
| Samsung Galaxy Note 4 ↑ | 5.7" | 1440 x 2560 | 515 | Sep-2014 | Android 5.1.1 |
| Apple iPad Air ↑ | 9.7" | 2048 x 1536 | 264 | Oct-2013 | iOS 9.3.5 |
| Samsung Galaxy S6 Edge ↑ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Samsung Galaxy Tab 4 ↑ | 10.1" | 800 x 1280 | 149 | Feb-2014 | Android 5.0.2 |
| Samsung Galaxy Avant ↓ | 4.5" | 540 x 960 | 245 | July 2014 | Android 4.4.2 |

Extended

| | | | | | |
|------------------------------|-------|-------------|-----|----------|---------------|
| Google Pixel NEW | 5.0" | 1080 x 1920 | 441 | Oct-2016 | Android 7.1.2 |
| Apple iPad 4 ↓ | 9.7" | 2048 x 1536 | 264 | Nov-2012 | iOS 10.3.1 |
| Apple iPhone 6S Plus ↓ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Apple iPad Air 2 ↓ | 9.7" | 2048 x 1536 | 264 | Oct-2014 | iOS 10.3.1 |
| Blackberry DTEK50 NEW | 5.2" | 1080 x 1920 | 424 | Jul-2016 | Android 6.0 |
| iPad Pro = | 12.9" | 2048 x 2732 | 149 | Nov-2015 | iOS 10.3.1 |
| Apple iPhone 7 Plus = | 5.5" | 1080 x 1920 | 401 | Sep-2016 | iOS 10.3.1 |



Essential

| Device Name | Screen Size | Screen Resolution | PPI (Pixel Per Inch) | Release Date | Recommended OS Version |
|----------------------------------|-------------|-------------------|----------------------|--------------|------------------------|
| Samsung Galaxy S6 ↑ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Samsung Galaxy S7 ↑ | 5.1" | 1440 x 2560 | 577 | Feb-2016 | Android 7.0 |
| Motorola Moto X Force ↑ | 5.4" | 1440 x 2560 | 540 | Nov-2015 | Android 5.1.1 |
| Samsung Galaxy Duos J5 (J500) ↓ | 5.0" | 720 x 1280 | 294 | Jun-2015 | Android 6.0.1 |
| Motorola Moto G4 Plus (XT1640) ↓ | 5.5" | 1080 x 1920 | 401 | May-2016 | Android 6.0.1 |
| LG K10 (K430) NEW | 5.3" | 720 x 1280 | 277 | Jan-2016 | Android 5.1.1 |
| Motorola Moto G 3rd Gen ↓ | 5.0" | 720 x 1280 | 294 | Jul-2015 | Android 5.1.1 |
| Apple iPhone 6 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2014 | iOS 10.3.1 |
| Samsung Galaxy S5 ↓ | 5.1" | 1080 x 1920 | 432 | April 2014 | Android 5.0 |
| Google Nexus 5X = [REF] | 5.0" | 1080 x 1920 | 424 | Oct-2015 | Android 7.1.2 |

Enhanced

| | | | | | |
|---------------------------------|------|-------------|-----|------------|---------------|
| LG G5 ↑ | 5.3" | 1440 x 2560 | 554 | Apr-2016 | Android 6.0.1 |
| Alcatel One Touch Pixi3 ↑ | 4.5" | 480 x 854 | 218 | May-2015 | Android 4.4.2 |
| Motorola Moto X Play NEW | 5.5" | 1080 x 1920 | 403 | Aug-2015 | Android 5.1.1 |
| LG G4 ↓ | 5.5" | 1440 x 2560 | 515 | April 2015 | Android 6.0 |
| Samsung Galaxy A3 Duos ↑ | 4.5" | 540 x 960 | 245 | Dec-2014 | Android 4.4.4 |
| Apple iPhone SE ↑ | 4.0" | 640 x 1136 | 326 | Mar-2016 | iOS 10.3.1 |
| Alcatel Pop 4 NEW | 5.0" | 720 x 1280 | 294 | Apr-2016 | Android 6.0 |
| Samsung Galaxy S7 Edge ↑ | 5.5" | 1440 x 2560 | 534 | Feb-2016 | Android 6.0.1 |
| Apple iPhone 5S ↓ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Apple iPhone 7 NEW | 4.7" | 750 x 1334 | 326 | Sep-2016 | iOS 10.3.1 |
| Samsung Galaxy A9 NEW | 6.0" | 1080 x 1920 | 367 | Jan-2016 | Android 5.1.1 |
| Apple iPhone 6 Plus ↑ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| LG K4 (K130) ↑ | 4.5" | 480 x 854 | 218 | Feb-2016 | Android 5.1.1 |
| Apple iPad mini 2 = | 7.9" | 2048 x 1536 | 324 | Nov-2013 | iOS 10.3.1 |
| Samsung Galaxy A5 ↑ | 5.2" | 1080 x 1920 | 424 | Dec-2015 | Android 6.0.1 |

Extended

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|---|------|-------------|-----|----------|---------------|
| iPhone 6S ↓ | 4.7" | 750 x 1334 | 326 | Sep-2015 | iOS 10.3.1 |
| Apple iPad Air 2 = | 9.7" | 2048 x 1536 | 264 | Oct-2014 | iOS 10.3.1 |
| Samsung Galaxy Note 5 ↓ | 5.7" | 1440 x 2560 | 515 | Aug-2015 | Android 6.0.1 |
| Motorola Moto Z Play (XT1635M) NEW | 5.5" | 1080 x 1920 | 441 | Oct-2016 | Android 6.0.1 |
| Samsung Galaxy J1 Mini NEW | 4.0" | 480 x 800 | 233 | Feb-2016 | Android 5.1 |
| Sony Xperia M5 ↑ | 5.0" | 1080 x 1920 | 441 | Sep-2015 | Android 5.0.1 |
| Samsung Galaxy J7 Duos ↑ | 5.5" | 720 x 1280 | 267 | Jun-2015 | Android 6.0.1 |



Essential

| Device Name | Screen Size | Screen Resolution | PPI (Pixel Per Inch) | Release Date | Recommended OS Version |
|--------------------------|-------------|-------------------|----------------------|--------------|------------------------|
| Apple iPhone 6 = | 4.7" | 750 x 1334 | 326 | Sep-2014 | iOS 10.3.1 |
| Apple iPhone 5S ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Samsung Galaxy S6 ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Samsung Galaxy S7 Edge ↑ | 5.5" | 1440 x 2560 | 534 | Feb-2016 | Android 7.0 |
| Apple iPhone 5C ↓ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Samsung Galaxy S6 Edge ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Samsung Galaxy S7 ↑ | 5.1" | 1440 x 2560 | 577 | Feb-2016 | Android 7.0 |
| Samsung Galaxy S5 ↓ | 5.1" | 1080 x 1920 | 432 | Apr-2014 | Android 6.0.1 |
| Apple iPad 2 = | 9.7" | 1024 x 768 | 132 | Mar-2011 | iOS 9.3.5 |
| LG Nexus 5x [REF] | 5.2" | 1080x1920 | 423 | Sep-2015 | Android 7.1.2 |

Enhanced

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|--------------------------|-------|-------------|-----|----------|---------------|
| Apple iPhone 6 Plus ↓ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Apple iPhone 6S ↓ | 4.7" | 750x1334 | 326 | Sep-2015 | iOS 10.3.1 |
| Apple iPhone 4S ↑ | 3.5" | 640 x 960 | 330 | Oct-2011 | iOS 9.3.5 |
| Apple iPhone 5 ↓ | 4.0" | 640 x 1136 | 326 | Sep-2012 | iOS 10.3.1 |
| Samsung Galaxy J5 Duos ↓ | 5.0" | 720 x 1280 | 294 | Jun-2015 | Android 5.1.1 |
| Apple iPad mini ↓ | 7.9" | 1024 x 768 | 162 | Nov-2012 | iOS 9.3.5 |
| Apple iPhone 6S Plus ↓ | 5.5" | 1080x1920 | 401 | Sep-2015 | iOS 10.3.1 |
| Apple iPad Air ↑ | 9.7" | 2048 x 1536 | 264 | Oct-2013 | iOS 9.3.5 |
| Apple iPad 4 ↑t | 9.7" | 2048 x 1536 | 264 | Nov-2012 | iOS 10.3.1 |
| Samsung Galaxy S4 ↓ | 5.0" | 1080 x 1920 | 440 | Apr-2013 | Android 5.0.1 |
| Apple iPad Air 2 ↓ | 9.7" | 2048 x 1536 | 264 | Oct-2014 | iOS 10.3.1 |
| Samsung Galaxy S4 mini ↑ | 4.3" | 540 x 960 | 256 | Jul-2013 | Android 4.4.2 |
| Samsung Galaxy A3 ↑ | 4.7" | 720 x 1280 | 312 | Dec-2015 | Android 6.0.1 |
| Samsung Galaxy Note 5 ↑ | 5.67" | 1440 x 2560 | 515 | Aug-2015 | Android 7.0 |
| Apple iPhone 7 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2016 | iOS 10.3.1 |

Extended

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|------------------------------|------|-------------|-----|----------|---------------|
| Samsung Galaxy S3 neo ↑ | 4.8" | 720 x 1280 | 306 | May-2014 | Android 4.4.2 |
| Samsung Galaxy Grand Prime ↑ | 5.0" | 540 x 960 | 220 | Oct-2014 | Android 5.1.1 |
| Huawei P9lite NEW | 5.2" | 1080 x 1920 | 424 | Apr-2016 | Android 6.0 |
| Samsung Galaxy Tab A ↓ | 9.7" | 768 x 1024 | 131 | May-2015 | Android 6.0.1 |
| Apple iPad mini 2 ↓ | 7.9" | 2048 x 1536 | 324 | Nov-2013 | iOS 10.3.1 |
| Samsung Galaxy Core Prime ↓ | 4.5" | 480 x 800 | 207 | Nov-2014 | Android 4.4.4 |
| Samsung Galaxy A5 NEW | 5.2" | 1080 x 1920 | 424 | Dec-2015 | Android 6.0.1 |



Essential

| Device Name | Screen Size | Screen Resolution | PPI (Pixel Per Inch) | Release Date | Recommended OS Version |
|--------------------------|-------------|-------------------|----------------------|--------------|------------------------|
| Apple iPhone 6 = | 4.7" | 750 x 1334 | 326 | Sep-2014 | iOS 10.3.1 |
| Apple iPhone 5S ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Samsung Galaxy S6 ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Apple iPhone 5C ↓ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.2 |
| Samsung Galaxy S7 ↑ | 5.1" | 1440 x 2560 | 577 | Feb-2016 | Android 7.0 |
| Apple iPhone 6S ↑ | 4.7" | 750 x 1334 | 326 | Sep-2015 | iOS 10.3.1 |
| Samsung Galaxy S6 Edge ↑ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Apple iPad 2 ↑ | 9.7" | 1024 x 768 | 132 | Mar-2011 | iOS 9.3.5 |
| Samsung Galaxy S7 Edge ↑ | 5.5" | 1440 x 2560 | 534 | Mar-2016 | Android 7.0 |
| LG Nexus 5x [REF] | 5.2" | 1080x1920 | 423 | Sep-2015 | Android 7.1.2 |

Enhanced

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|--------------------------|------|-------------|-----|----------|---------------|
| Apple iPhone 4S ↑ | 3.5" | 640 x 960 | 330 | Oct-2011 | iOS 9.3.5 |
| Apple iPhone 7 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2016 | iOS 10.3.1 |
| Apple iPhone 6 Plus ↑ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Apple iPad mini ↑ | 7.9" | 1024 x 768 | 162 | Nov-2012 | iOS 9.3.5 |
| Apple iPad Air 2 ↓ | 9.7" | 2048 x 1536 | 264 | Oct-2014 | iOS 10.3.1 |
| LG G5 NEW | 5.3" | 1440 x 2560 | 554 | Apr-2016 | Android 7.0 |
| Samsung Galaxy J5 Duos ↑ | 5.0" | 720 x 1280 | 294 | Jun-2015 | Android 5.1.1 |
| Samsung Galaxy S5 ↓ | 5.1" | 1080 x 1920 | 432 | Apr-2014 | Android 6.0.1 |
| Apple iPad Air ↑ | 9.7" | 2048 x 1536 | 264 | Oct-2013 | iOS 9.3.5 |
| iPhone SE ↑ | 4.0" | 640 x 1136 | 326 | Mar-2016 | iOS 10.3.1 |
| Samsung Galaxy S4 ↓ | 5.0" | 1080 x 1920 | 440 | Apr-2013 | Android 5.0.1 |
| Apple iPad 4 ↑ | 9.7" | 2048 x 1536 | 264 | Nov-2012 | iOS 10.3.1 |
| Samsung Galaxy J3 ↑ | 5.0" | 720 x 1280 | 294 | Jan-2016 | Android 5.1.1 |
| Google Pixel NEW | 5.0" | 1080 x 1920 | 441 | Oct-2016 | Android 7.1.2 |
| Samsung Galaxy A3 ↑ | 4.7" | 720 x 1280 | 312 | Dec-2015 | Android 6.0.1 |

Extended

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|---------------------------|-------|-------------|-----|-----------|---------------|
| Huawei P9 NEW | 5.2" | 1080 x 1920 | 423 | Apr-2016 | Android 6.0 |
| Samsung Galaxy Note 5 NEW | 5.67" | 1440 x 2560 | 515 | Aug-2015 | Android 7.0 |
| Apple iPhone 6S Plus ↓ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Samsung Galaxy Tab 3 ↓ | 10.1" | 800 x 1280 | 149 | July 2013 | Android 4.4.2 |
| Apple iPhone 7 Plus ↑ | 5.5" | 1080 x 1920 | 401 | Sep-2016 | iOS 10.3.1 |
| Apple iPad mini 2 ↓ | 7.9" | 2048 x 1536 | 324 | Nov-2013 | iOS 10.3.1 |
| OnePlus 3T NEW | 5.5" | 1080 x 1920 | 401 | Nov-2016 | Android 6.0.1 |



Essential

| Device Name | Screen Size | Screen Resolution | PPI (Pixel Per Inch) | Release Date | Recommended OS Version |
|--------------------------|-------------|-------------------|----------------------|--------------|------------------------|
| Apple iPhone 6 = | 4.7" | 750 x 1334 | 326 | Sep-2014 | iOS 10.3.1 |
| Apple iPhone 5S ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Samsung Galaxy S6 ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Samsung Galaxy S7 ↑ | 5.1" | 1440 x 2560 | 577 | Feb-2016 | Android 7.0 |
| Apple iPhone 5 ↑ | 4.0" | 640 x 1136 | 326 | Sep-2012 | iOS 10.3.1 |
| Samsung Galaxy S6 Edge ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 5.1.1 |
| Samsung Galaxy S7 Edge ↑ | 5.5" | 1440 x 2560 | 534 | Mar-2016 | Android 7.0 |
| Apple iPhone 6S ↑ | 4.7" | 750 x 1334 | 326 | Sep-2015 | iOS 10.3.1 |
| Samsung Galaxy S5 ↓ | 5.1" | 1080 x 1920 | 432 | Apr-2014 | Android 6.0.1 |
| Google Nexus 5X = [REF] | 5.0" | 1080 x 1920 | 424 | Oct-2015 | Android 7.1.2 |

Enhanced

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|-------------------------|-------|-------------|-----|----------|---------------|
| Samsung Galaxy S4 ↑ | 5.0" | 1080 x 1920 | 440 | Apr-2013 | Android 5.0.1 |
| Apple iPhone 6 Plus ↑ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Samsung S5 Mini NEW | 4.5" | 720 x 1280 | 326 | Jun-2014 | Android 5.1.1 |
| Apple iPhone 4S ↓ | 3.5" | 640 x 960 | 330 | Oct-2011 | iOS 9.3.5 |
| Apple iPad mini ↑ | 7.9" | 1024 x 768 | 162 | Nov-2012 | iOS 9.3.5 |
| Huawei P8lite ↑ | 5.0" | 720 x 1280 | 294 | May-2015 | Android 6.0 |
| Apple iPad Air ↑ | 9.7" | 2048 x 1536 | 264 | Oct-2013 | iOS 9.3.5 |
| Google Pixel ↑ | 5.0" | 1080 x 1920 | 441 | Oct-2016 | Android 7.1.2 |
| Apple iPhone 7 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2016 | iOS 10.3.1 |
| Samsung Galaxy S3 Neo ↓ | 4.8" | 720 x 1280 | 306 | May-2014 | Android 4.4.2 |
| Huawei P9 ↑ | 5.2" | 1080 x 1920 | 423 | Apr-2016 | Android 6.0 |
| Apple iPad Air 2 ↑ | 9.7" | 2048 x 1536 | 264 | Oct-2014 | iOS 10.3.1 |
| Apple iPad 2 ↓ | 9.7" | 1024 x 768 | 132 | Mar-2011 | iOS 9.3.5 |
| Samsung Galaxy Tab 4 ↑ | 10.1" | 800 x 1280 | 149 | Feb-2014 | Android 5.0.2 |
| Apple iPhone 7 Plus NEW | 5.5" | 1080 x 1920 | 401 | Sep-2016 | iOS 10.3.1 |

Extended

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|--------------------------|------|-------------|-----|----------|---------------|
| Samsung Galaxy A5 NEW | 5.2" | 1080 x 1920 | 424 | Dec-2015 | Android 6.0.1 |
| Sony Xperia Z3 Compact ↑ | 4.6" | 720 x 1280 | 319 | Sep-2014 | Android 6.0.1 |
| Samsung Galaxy J5 Duos ↓ | 5.0" | 720 x 1280 | 294 | Jun-2015 | Android 5.1.1 |
| iPhone SE NEW | 4.0" | 640 x 1136 | 326 | Mar-2016 | iOS 10.3.1 |
| Sony Xperia XZ NEW | 5.2" | 1080 x 1920 | 424 | Sep-2016 | Android 6.0.1 |
| Apple iPad mini 2 ↓ | 7.9" | 2048 x 1536 | 324 | Nov-2013 | iOS 10.3.1 |
| Samsung Galaxy A3 ↓ | 4.7" | 720 x 1280 | 312 | Dec-2015 | Android 6.0.1 |



Essential

| Device Name | Screen Size | Screen Resolution | PPI (Pixel Per Inch) | Release Date | Recommended OS Version |
|--------------------------|-------------|-------------------|----------------------|--------------|------------------------|
| Apple iPhone 6 = | 4.7" | 750 x 1334 | 326 | Sep-2014 | iOS 10.3.1 |
| Apple iPhone 5S ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Samsung Galaxy S6 ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Apple iPhone 4S ↑ | 3.5" | 640 x 960 | 330 | Oct-2011 | iOS 9.3.5 |
| Samsung Galaxy S7 Edge ↑ | 5.5" | 1440 x 2560 | 534 | Feb-2016 | Android 7.0 |
| Apple iPhone 5 ↑ | 4.0" | 640 x 1136 | 326 | Sep-2012 | ios 10.2 |
| Samsung Galaxy S7 ↑ | 5.1" | 1440 x 2560 | 577 | Feb-2016 | Android 7.0 |
| Apple iPhone 6 Plus ↑ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Apple iPad 2 ↑ | 9.7" | 1024 x 768 | 132 | Mar-2011 | iOS 9.3.5 |
| Google Nexus 5X = [REF] | 5.0" | 1080 x 1920 | 424 | Oct-2015 | Android 7.1.2 |

Enhanced

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|--------------------------|-------|-------------|-----|----------|---------------|
| Samsung Galaxy S6 Edge ↑ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Samsung Galaxy S5 ↓ | 5.1" | 1080 x 1920 | 432 | Apr-2014 | Android 6.0.1 |
| Samsung Galaxy S4 ↓ | 5.0" | 1080 x 1920 | 440 | Apr-2013 | Android 5.0.1 |
| Apple iPhone 6S ↑ | 4.7" | 750 x 1334 | 326 | Sep-2015 | iOS 10.3.1 |
| Apple iPhone 7 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2016 | iOS 10.3.1 |
| Samsung Galaxy S5 Neo ↑ | 5.1" | 1080 x 1920 | 432 | Aug-2015 | Android 6.0.1 |
| Apple iPhone 5C ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Apple iPad Air ↑ | 9.7" | 2048 x 1536 | 264 | Oct-2013 | iOS 9.3.5 |
| Apple iPad mini ↑ | 7.9" | 1024 x 768 | 162 | Nov-2012 | iOS 9.3.5 |
| Huawei P8lite ↑ | 5.0" | 720 x 1280 | 294 | May-2015 | Android 6.0 |
| Samsung Galaxy A5 NEW | 5.2" | 1080 x 1920 | 424 | Dec-2015 | Android 6.0.1 |
| Apple iPad Air 2 ↓ | 9.7" | 2048 x 1536 | 264 | Oct-2014 | iOS 10.3.1 |
| Samsung S5 Mini NEW | 4.5" | 720 x 1280 | 326 | Jun-2014 | Android 5.1.1 |
| Samsung Galaxy A3 ↑ | 4.7" | 720 x 1280 | 312 | Dec-2015 | Android 6.0.1 |
| Samsung Galaxy Tab 4 ↑ | 10.1" | 800 x 1280 | 149 | Feb-2014 | Android 5.0.2 |

Extended

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|--------------------------|------|-------------|-----|----------|---------------|
| Samsung Galaxy J5 Duos ↑ | 5.0" | 720 x 1280 | 294 | Jun-2015 | Android 5.1.1 |
| Sony Xperia XZ NEW | 5.2" | 1080 x 1920 | 424 | Sep-2016 | Android 6.0.1 |
| Apple iPhone 7 Plus NEW | 5.5" | 1080 x 1920 | 401 | Sep-2016 | iOS 10.3.1 |
| Samsung Galaxy Note 4 ↓ | 5.7" | 1440 x 2560 | 515 | Sep-2014 | Android 6.0.1 |
| Huawei P9 ↑ | 5.2" | 1080 x 1920 | 423 | Apr-2016 | Android 6.0 |
| LG G5 ↑ | 5.3" | 1440 x 2560 | 554 | Apr-2016 | Android 7.0 |
| HTC 10 NEW | 5.2" | 1440 x 2560 | 565 | Apr-2016 | Android 7.0 |



Essential

| Device Name | Screen Size | Screen Resolution | PPI (Pixel Per Inch) | Release Date | Recommended OS Version |
|--------------------------|-------------|-------------------|----------------------|--------------|------------------------|
| Apple iPhone 6 = | 4.7" | 750 x 1334 | 326 | Sep-2014 | iOS 10.3.1 |
| Apple iPhone 5S ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.2 |
| Samsung Galaxy S7 Edge ↓ | 5.5" | 1440 x 2560 | 534 | Feb-2016 | Android 7.0 |
| Samsung Galaxy S7 ↑ | 5.1" | 1440 x 2560 | 577 | Feb-2016 | Android 7.0 |
| Apple iPhone 4S ↑ | 3.5" | 640 x 960 | 330 | Oct-2011 | iOS 9.3.5 |
| Samsung Galaxy S6 Edge ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Apple iPhone 6 Plus ↓ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Apple iPhone 6S ↓ | 4.7" | 750 x 1334 | 326 | Sep-2015 | iOS 10.3.1 |
| Samsung Galaxy S6 ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Google Nexus 5X = [REF] | 5.0" | 1080 x 1920 | 424 | Oct-2015 | Android 7.1.2 |

Enhanced

| | | | | | |
|---------------------------|------|-------------|-----|----------|---------------|
| Apple iPad 2 ↓ | 9.7" | 1024 x 768 | 132 | Mar-2011 | iOS 9.3.5 |
| Apple iPhone 5C ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Apple iPhone 6S Plus ↑ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Apple iPad Air ↑ | 9.7" | 2048 x 1536 | 264 | Oct-2013 | iOS 9.3.5 |
| Apple iPad mini ↓ | 7.9" | 1024 x 768 | 162 | Nov-2012 | iOS 9.3.5 |
| Apple iPad Air 2 ↓ | 9.7" | 2048 x 1536 | 264 | Oct-2014 | iOS 10.3.1 |
| Samsung Galaxy S5 ↓ | 5.1" | 1080 x 1920 | 432 | Apr-2014 | Android 6.0.1 |
| Apple iPad 4 ↑ | 9.7" | 2048 x 1536 | 264 | Nov-2012 | iOS 10.0.2 |
| Samsung Galaxy A5 NEW | 5.2" | 1080 x 1920 | 424 | Dec-2015 | Android 6.0.1 |
| Samsung Galaxy S4 ↓ | 5.0" | 1080 x 1920 | 440 | Apr-2013 | Android 5.0.1 |
| Apple iPhone 7 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2016 | iOS 10.3.1 |
| Samsung Galaxy S4 mini ↑ | 4.3" | 540 x 960 | 256 | Jul-2013 | Android 4.4.2 |
| Samsung Galaxy Note 4 ↑ | 5.7" | 1440 x 2560 | 515 | Sep-2014 | Android 5.1.1 |
| Samsung Galaxy Tab S2 NEW | 9.7" | 1536 x 2048 | 264 | Sep-2015 | Android 6.0.1 |
| Samsung Galaxy A3 NEW | 4.7" | 720 x 1280 | 312 | Dec-2015 | Android 6.0.1 |

Extended

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|-------------------------|------|-------------|-----|----------|---------------|
| LG G5 = | 5.3" | 1440 x 2560 | 554 | Apr-2016 | Android 7.0 |
| Huawei P9 ↑ | 5.2" | 1080 x 1920 | 423 | Apr-2016 | Android 6.0 |
| HTC 10 ↓ | 5.2" | 1440 x 2560 | 565 | Apr-2016 | Android 6.0.1 |
| Samsung Galaxy Tab A ↓ | 9.7" | 768 x 1024 | 131 | May 2015 | Android 6.0.1 |
| Sony Xperia XZ NEW | 5.2" | 1080 x 1920 | 424 | Sep-2016 | Android 6.0.1 |
| Apple iPhone 7 Plus NEW | 5.5" | 1080 x 1920 | 401 | Sep-2016 | iOS 10.3.1 |
| Huawei P9lite NEW | 5.2" | 1080 x 1920 | 424 | Apr-2016 | Android 6.0 |



Essential

| Device Name | Screen Size | Screen Resolution | PPI (Pixel Per Inch) | Release Date | Recommended OS Version |
|----------------------------|-------------|-------------------|----------------------|--------------|------------------------|
| Apple iPhone 6 = | 4.7" | 750 x 1334 | 326 | Sep-2014 | iOS 10.3.1 |
| Samsung Galaxy S3 Neo ↑ | 4.8" | 720 x 1280 | 306 | May 2014 | Android 4.4.4 |
| Huawei P9lite ↑ | 5.2" | 1080 x 1920 | 424 | Apr-2016 | Android 6.0 |
| Samsung Galaxy J5 Duos ↑ | 5.0" | 720 x 1280 | 294 | Jun-2015 | Android 5.1.1 |
| Apple iPhone 5S ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Samsung Galaxy S7 Edge ↑ | 5.5" | 1440 x 2560 | 534 | Feb-2016 | Android 7.0 |
| Apple iPhone 4S ↑ | 3.5" | 640 x 960 | 330 | Oct-2011 | iOS 9.3.5 |
| Samsung Galaxy Grand Neo ↓ | 5.0" | 480 x 800 | 186 | NEED DATE | Android 4.4.4 |
| Samsung Galaxy S6 ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 5.1.1 |
| Google Nexus 5X = [REF] | 5.0" | 1080 x 1920 | 424 | Oct-2015 | Android 7.1.2 |

Enhanced

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|--------------------------|-------|-------------|-----|-----------|---------------|
| Huawei P8lite ↑ | 5.0" | 720 x 1280 | 294 | NEED DATE | Android 6.0 |
| Apple iPhone 5 ↓ | 4.0" | 640 x 1136 | 326 | Sep-2012 | iOS 9.3.5 |
| Samsung Galaxy S7 ↑ | 5.1" | 1440 x 2560 | 577 | Feb-2016 | Android 6.0.1 |
| Apple iPad 2 ↓ | 9.7" | 1024 x 768 | 132 | Mar-2011 | iOS 9.3.5 |
| Samsung Galaxy S6 Edge ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Apple iPhone 6S ↑ | 4.7" | 750 x 1334 | 326 | Sep-2015 | iOS 10.3.1 |
| Samsung Galaxy S4 ↑ | 5.0" | 1080 x 1920 | 440 | Apr-2013 | Android 5.0.1 |
| Apple iPhone 6 Plus ↓ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.2 |
| Samsung Galaxy S5 ↓ | 5.1" | 1080 x 1920 | 432 | Apr-2014 | Android 6.0.1 |
| Apple iPhone 7 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2016 | iOS 10.2 |
| Samsung Galaxy J3 NEW | 5.0" | 720 x 1280 | 294 | Jan-2016 | Android 5.1.1 |
| Apple iPad mini ↑ | 7.9" | 1024 x 768 | 162 | Nov-2012 | iOS 9.3.5 |
| Samsung Galaxy Note 4 ↑ | 5.7" | 1440 x 2560 | 515 | Sep-2014 | Android 6.0.1 |
| Apple iPad 4 ↑ | 9.7" | 2048 x 1536 | 264 | Nov-2012 | iOS 10.3.1 |
| Samsung Galaxy Tab 4 ↑ | 10.1" | 800 x 1280 | 149 | Feb-2014 | Android 5.0.2 |

Extended

| | | | | | |
|--------------------------|-------|-------------|-----|----------|---------------|
| Apple iPhone 5C ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Apple iPad Air 2 ↓ | 9.7" | 2048 x 1536 | 264 | Oct-2014 | iOS 10.3.1 |
| Apple iPhone 7 Plus NEW | 5.5" | 1080 x 1920 | 401 | Sep-2016 | iOS 10.3.1 |
| Apple iPhone 6S Plus ↓ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Samsung Galaxy Tab A NEW | 10.1" | 1200 x 1920 | 224 | May-2016 | Android 6.0 |
| LG G5 NEW | 5.3" | 1440 x 2560 | 554 | Apr-2016 | Android 7.0 |
| Sony Xperia XZ NEW | 5.2" | 1080 x 1920 | 424 | Sep-2016 | Android 6.0.1 |



Essential

| Device Name | Screen Size | Screen Resolution | PPI (Pixel Per Inch) | Release Date | Recommended OS Version |
|---|-------------|-------------------|----------------------|--------------|------------------------|
| Apple iPhone 6 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2014 | iOS 10.3.1 |
| Apple iPhone 5S ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Samsung Galaxy S6 ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Huawei P8lite ↑ | 5.0" | 720 x 1280 | 294 | NEED DATE | Android 6.0 |
| Samsung Galaxy S7 Edge ↑ | 5.5" | 1440 x 2560 | 534 | Feb-2016 | Android 7.0 |
| Apple iPhone 4S ↑ | 3.5" | 640 x 960 | 330 | Oct-2011 | iOS 9.3.5 |
| Samsung Galaxy S4 ↓ | 5.0" | 1080 x 1920 | 440 | Apr-2013 | Android 5.0.1 |
| Samsung Galaxy Grand Prime ↑ | 5.0" | 540 x 960 | 220 | Oct-2014 | Android 5.1.1 |
| Google Nexus 5X = [REF] | 5.0" | 1080 x 1920 | 424 | Oct-2015 | Android 7.1.2 |
| Samsung Galaxy J5 Duos ↑ | 5.0" | 720 x 1280 | 294 | Jun-2015 | Android 6.0.1 |

Enhanced

| | | | | | |
|---|------|-------------|-----|----------|---------------|
| Apple iPad 2 ↑ | 9.7" | 1024 x 768 | 132 | Mar-2011 | iOS 9.3.5 |
| Samsung Galaxy S5 ↑ | 5.1" | 1080 x 1920 | 432 | Apr-2014 | Android 6.0.1 |
| Huawei P9lite ↑ | 5.2" | 1080 x 1920 | 424 | Apr-2016 | Android 6.0 |
| Samsung Galaxy S7 ↑ | 5.1" | 1440 x 2560 | 577 | Feb-2016 | Android 7.0 |
| Samsung Galaxy Grand Neo ↑ | 5.0" | 480 x 800 | 186 | Feb-2014 | Android 4.4.4 |
| Apple iPhone 6S ↓ | 4.7" | 750 x 1334 | 326 | Sep-2015 | iOS 10.3.1 |
| Apple iPhone 7 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2016 | iOS 10.3.1 |
| Apple iPhone 6 Plus ↑ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Apple iPad Air ↑ | 9.7" | 2048 x 1536 | 264 | Oct-2013 | iOS 9.3.5 |
| Apple iPad mini ↑ | 7.9" | 1024 x 768 | 162 | Nov-2012 | iOS 9.3.5 |
| Samsung Galaxy J7 | 5.5" | 720 x 1280 | 267 | Apr-2016 | Android 6.0.1 |
| Apple iPhone 5C NEW | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Samsung Galaxy S6 Edge ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Huawei Y635 ↑ | 5.0" | 480 x 854 | 196 | May-2015 | Android 4.4.4 |
| Samsung Galaxy Note 4 NEW | 5.7" | 1440 x 2560 | 515 | Sep-2014 | Android 6.0.1 |

Extended

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|---|------|-------------|-----|----------|---------------|
| Samsung Galaxy Tab A ↓ | 9.7" | 768 x 1024 | 132 | May-2015 | Android 6.0.1 |
| Samsung Galaxy A3 ↑ | 4.7" | 720 x 1280 | 312 | Dec-2015 | Android 6.0.1 |
| Apple iPad Air 2 ↑ | 9.7" | 2048 x 1536 | 264 | Oct-2014 | iOS 10.3.1 |
| bq Aquaris M5 ↓ | 5.0" | 1080 x 1920 | 441 | Jan-2015 | Android 6.0.1 |
| Apple iPhone 7 Plus NEW | 5.5" | 1080 x 1920 | 401 | Sep-2016 | iOS 10.3.1 |
| Samsung Galaxy A5 NEW | 5.2" | 1080 x 1920 | 424 | Dec-2015 | Android 6.0.1 |
| Sony Xperia XZ NEW | 5.2" | 1080 x 1920 | 424 | Sep-2016 | Android 6.0.1 |



Essential

| Device Name | Screen Size | Screen Resolution | PPI (Pixel Per Inch) | Release Date | Recommended OS Version |
|--------------------------|-------------|-------------------|----------------------|--------------|------------------------|
| Apple iPhone 6 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2014 | iOS 10.3.1 |
| Apple iPad 2 ↑ | 9.7" | 1024 x 768 | 132 | Mar-2011 | iOS 9.3.5 |
| Samsung Galaxy S7 Edge ↑ | 5.5" | 1440 x 2560 | 534 | Feb-2016 | Android 7.0 |
| Samsung Galaxy S6 ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Samsung Galaxy S7 ↑ | 5.1" | 1440 x 2560 | 577 | Feb-2016 | Android 7.0 |
| Samsung Galaxy S6 Edge ↑ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Apple iPhone 5S ↓ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Apple iPhone 4S ↑ | 3.5" | 640 x 960 | 330 | Oct-2011 | iOS 9.3.5 |
| Samsung Galaxy S5 ↓ | 5.1" | 1080 x 1920 | 432 | Apr-2014 | Android 5.0 |
| Google Nexus 5X = [REF] | 5.0" | 1080 x 1920 | 424 | Oct-2015 | Android 7.1.2 |

Enhanced

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|------------------------------|-------|-------------|-----|-----------|---------------|
| Apple iPhone 6S ↓ | 4.7" | 750x1334 | 326 | Sep-2015 | iOS 10.3.1 |
| Samsung Galaxy A3 ↑ | 4.7" | 720 x 1280 | 312 | Dec-2015 | Android 6.0.1 |
| Apple iPad mini ↑ | 7.9" | 1024 x 768 | 162 | Nov-2012 | iOS 9.3.5 |
| Apple iPhone 5C ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Samsung Galaxy A5 ↑ | 5.2" | 1080 x 1920 | 424 | Dec-2015 | Android 6.0.1 |
| Samsung Galaxy S4 ↓ | 5.0" | 1080 x 1920 | 440 | Apr-2013 | Android 5.0.1 |
| Apple iPhone 7 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2016 | iOS 10.3.1 |
| Huawei P8lite ↑ | 5.0" | 720 x 1280 | 294 | NEED DATE | Android 6.0 |
| Samsung Galaxy Grand Prime ↑ | 5.0" | 540 x 960 | 220 | Oct-2014 | Android 5.1.1 |
| Apple iPhone 6 Plus ↑ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Samsung Galaxy Tab A ↑ | 9.7" | 768 x 1024 | 131 | May-2015 | Android 5.0.2 |
| Samsung Galaxy J3 ↑ | 5.0" | 720 x 1280 | 294 | Jan-2016 | Android 5.1.1 |
| Apple iPad Air 2 ↑ | 9.7" | 2048 x 1536 | 264 | Oct-2014 | iOS 10.3.1 |
| Apple iPhone 7 Plus NEW | 5.5" | 1080 x 1920 | 401 | Sep-2016 | iOS 10.3.1 |
| Samsung Galaxy Tab 3 ↑ | 10.1" | 800 x 1280 | 149 | Jul-2013 | Android 4.4.2 |

Extended

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|--------------------------|------|-------------|-----|----------|---------------|
| Apple iPad Air ↑ | 9.7" | 2048 x 1536 | 264 | Oct-2013 | iOS 9.3.5 |
| Samsung Galaxy J5 Duos ↑ | 5.0" | 720 x 1280 | 294 | Jun-2015 | Android 5.1.1 |
| Apple iPhone 6S Plus ↑ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Samsung Galaxy Note 4 ↑ | 5.7" | 1440 x 2560 | 515 | Sep-2014 | Android 6.0.1 |
| Apple iPad mini 2 ↓ | 7.9" | 2048 x 1536 | 324 | Nov-2013 | iOS 10.3.1 |
| Huawei P9 = | 5.2" | 1080 x 1920 | 423 | Apr-2016 | Android 6.0 |
| Sony Xperia XZ = | 5.2" | 1080 x 1920 | 424 | Sep-2016 | Android 6.0.1 |



Essential

| Device Name | Screen Size | Screen Resolution | PPI (Pixel Per Inch) | Release Date | Recommended OS Version |
|--------------------------|-------------|-------------------|----------------------|--------------|------------------------|
| Apple iPhone 6 = | 4.7" | 750 x 1334 | 326 | Sep-2014 | iOS 10.3.1 |
| Apple iPhone 5S ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Samsung Galaxy S7 ↑ | 5.1" | 1440 x 2560 | 577 | Feb-2016 | Android 7.0 |
| Apple iPhone 6 Plus ↑ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Samsung Galaxy S5 ↓ | 5.1" | 1080 x 1920 | 432 | Apr-2014 | Android 5.0 |
| Samsung Galaxy S6 ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Apple iPhone 6S ↑ | 4.7" | 750 x 1334 | 326 | Sep-2015 | iOS 10.3.1 |
| Samsung Galaxy S7 Edge ↑ | 5.5" | 1440 x 2560 | 534 | Feb-2016 | Android 7.0 |
| Apple iPad 2 ↓ | 9.7" | 1024 x 768 | 132 | Mar-2011 | iOS 9.3.5 |
| Apple iPhone 5 ↑ | 4.0" | 640 x 1136 | 326 | Sep-2012 | iOS 10.3.1 |

Enhanced

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|--------------------------|------|-------------|-----|------------|---------------|
| Google Nexus 5X = [REF] | 5.0" | 1080 x 1920 | 424 | Oct-2015 | Android 7.1.2 |
| Apple iPhone 5C ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Apple iPhone 4S ↑ | 3.5" | 640 x 960 | 330 | Oct-2011 | iOS 9.3.5 |
| Apple iPad mini ↑ | 7.9" | 1024 x 768 | 162 | Nov-2012 | iOS 9.3.5 |
| Samsung Galaxy S6 Edge ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Apple iPad 4 ↑ | 9.7" | 2048 x 1536 | 264 | Nov-2012 | iOS 10.3.1 |
| Apple iPhone 7 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2016 | iOS 10.3.1 |
| Apple iPad Air 2 = | 9.7" | 2048 x 1536 | 264 | Oct-2014 | iOS 10.3.1 |
| Samsung Galaxy Note 5 ↑ | 5.7" | 1440 x 2560 | 515 | Aug-2015 | Android 7.0 |
| iPhone SE ↑ | 4.0" | 640 x 1136 | 326 | Mar-2016 | iOS 10.3.1 |
| Apple iPad Air = | 9.7" | 2048 x 1536 | 264 | Oct-2013 | iOS 9.3.5 |
| Google Pixel ↑ | 5.0" | 1080 x 1920 | 441 | Oct-2016 | Android 7.1.2 |
| Samsung Galaxy S4 ↓ | 5.0" | 1080 x 1920 | 440 | April 2013 | Android 5.0.1 |
| Samsung Galaxy Tab A ↑ | 8.0" | 768 x 1024 | 160 | May-2015 | Android 6.0.1 |
| Apple iPhone 7 Plus ↑ | 5.5" | 1080 x 1920 | 401 | Sep-2016 | iOS 10.3.1 |

Extended

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|-------------------------------|------|-------------|-----|----------|---------------|
| Apple iPhone 6S Plus ↑ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Samsung Galaxy S6 Edge Plus ↑ | 5.7" | 1440 x 2560 | 518 | Aug-2015 | Android 5.1.1 |
| Google Pixel XL NEW | 5.5" | 1440 x 2560 | 534 | Oct-2016 | Android 7.1.2 |
| Huawei Mate 9 NEW | 5.9" | 1080 x 1920 | 373 | Dec-2016 | Android 7.0 |
| Sony Xperia XZ ↑ | 5.2" | 1080 x 1920 | 424 | Sep-2016 | Android 6.0.1 |
| Huawei P9 = | 5.2" | 1080 x 1920 | 423 | Apr-2016 | Android 6.0 |
| HTC 10 = | 5.2" | 1440 x 2560 | 565 | Apr-2016 | Android 7.0 |



Essential

| Device Name | Screen Size | Screen Resolution | PPI (Pixel Per Inch) | Release Date | Recommended OS Version |
|--------------------|-------------|-------------------|----------------------|--------------|------------------------|
| Oppo F1 ↑ | 5.0" | 720 x 1280 | 294 | Jan-2016 | Android 5.1 |
| Oppo F1S ↑ | 5.5" | 720 x 1280 | 267 | Aug-2016 | Android 5.1 |
| Huawei Honor 8 ↑ | 5.2" | 1080 x 1920 | 423 | Jul-2016 | Android 6.0 |
| Huawei P9 ↑ | 5.2" | 1080 x 1920 | 423 | Apr-2016 | Android 6.0 |
| Apple iPhone 6 ↑ | 4.7" | 750 x 1334 | 326 | Sep-2014 | iOS 10.3.1 |
| Vivo V3 NEW | 5.0" | 720 x 1280 | 294 | Apr-2016 | Android 5.1 |
| Elephone P9000 ↑ | 5.5" | 1080 x 1920 | 401 | Apr-2016 | Android 6.0 |
| Apple iPhone 5S ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| OnePlus 3 ↑ | 5.5" | 1080 x 1920 | 401 | Jun-2016 | Android 6.0.1 |
| Huawei P8 ↓ | 5.0" | 720 x 1280 | 428 | May 2015 | Android 5.0.2 |

Enhanced

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|------------------------------|-------|-------------|-----|----------|---------------|
| OnePlus 2 ↓ | 5.5" | 1080x1920 | 401 | Aug-2015 | Android 5.1 |
| Google Nexus 6P [REF] | 5.7" | 1440 x 2560 | 518 | Oct-2015 | Android 7.1.2 |
| Samsung Galaxy S6 ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| Huawei Honor 7 ↓ | 5.2" | 1080x1920 | 424 | Jul-2015 | Android 5.0 |
| Xiaomi Redmi Note 2 ↓ | 5.5" | 1080x1920 | 403 | Aug-2015 | Android 5.0 |
| Leeco Le Max 2 ↑ | 5.7" | 1440 x 2560 | 515 | May-2016 | Android 6.0 |
| Xiaomi Mi 5 ↑ | 5.15" | 1080x1920 | 428 | Apr-2016 | Android 6.0 |
| Xiaomi Redmi Note 3 ↑ | 5.5" | 1080x1920 | 403 | Feb-2016 | Android 5.1.1 |
| Meizu M3 NEW | 5.0" | 720 x 1280 | 294 | May-2016 | Android 5.1 |
| Huawei Mate 8 ↓ | 6.0" | 1080x1920 | 368 | Nov-2015 | Android 6.0 |
| Meizu MX6 ↑ | 5.5" | 1080 x 1920 | 403 | Jul-2016 | Android 6.0 |
| Samsung Galaxy S7 Edge ↑ | 5.5" | 1440 x 2560 | 534 | Feb-2016 | Android 7.0 |
| Vivo Y51 NEW | 5.0" | 540 x 960 | 220 | Dec-2015 | Android 5.0.2 |
| Apple iPhone 6 Plus ↓ | 5.5" | 1080 x 1920 | 401 | Sep-2014 | iOS 10.3.1 |
| Meizu Pro 5 ↑ | 5.7" | 1080x1920 | 386 | Oct-2015 | Android 5.1 |

Extended

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|------------------------------|------|-------------|-----|----------|---------------|
| ZTE AXON 7 NEW | 5.5" | 1440 x 2560 | 538 | Jun-2016 | Android 6.0.1 |
| Oppo A37 NEW | 5.0" | 720 x 1280 | 294 | Jun-2016 | Android 5.1 |
| OnePlus 3T NEW | 5.5" | 1080 x 1920 | 441 | Nov-2016 | Android 7.0 |
| Apple iPad Mini ↓ | 7.9" | 1024 x 768 | 162 | Nov-2012 | iOS 9.3.5 |
| Lenovo Zuk Z2 Pro NEW | 5.2" | 1080 x 1920 | 424 | Jun-2016 | Android 6.0.1 |
| ZTE Nubia Z9 ↓ | 5.2" | 1080x1920 | 424 | Jun-2015 | Android 5.0.2 |
| Apple iPhone 7 NEW | 4.7" | 750 x 1334 | 326 | Sep-2016 | iOS 10.3.1 |



Essential

| Device Name | Screen Size | Screen Resolution | PPI (Pixel Per Inch) | Release Date | Recommended OS Version |
|---|-------------|-------------------|----------------------|--------------|------------------------|
| Xiaomi Redmi Note 3 ↑ | 5.5" | 1080x1920 | 403 | Feb-2016 | Android 5.0.2 |
| Samsung Galaxy J7 Prime NEW | 5.5" | 1080 x 1920 | 401 | Sep-2016 | Android 6.0.1 |
| OnePlus 3 ↑ | 5.5" | 1080 x 1920 | 401 | Jun-2016 | Android 6.0.1 |
| Lenovo Vibe V5 Plus NEW | 5.0" | 1080 x 1920 | 441 | Apr-2016 | Android 5.1 |
| Motorola Moto G4 Plus NEW | 5.5" | 1080 x 1920 | 401 | May-2016 | Android 7.0 |
| Vivo V5 ↑ | 5.5" | 720 x 1280 | 267 | Nov-2016 | Android 6.0 |
| Samsung Galaxy A9 Pro (2016) NEW | 6.0" | 1080 x 1920 | 367 | May-2016 | Android 6.0.1 |
| Samsung Galaxy J5 (2016) ↓ | 5.0" | 720 x 1280 | 294 | Apr-2016 | Android 6.0.1 |
| Apple iPhone SE ↑ | 4.0" | 640 x 1136 | 326 | Mar-2016 | iOS 10.3.1 |
| Google Nexus 6P = [REF] | 5.7" | 1440 x 2560 | 518 | Oct-2015 | Android 7.1.2 |

Enhanced

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|--|-------|-------------|-----|----------|---------------|
| Oppo F1S ↑ | 5.5" | 720 x 1280 | 267 | Aug-2016 | Android 5.1 |
| Xiaomi Redmi 3S ↑ | 5.0" | 720 x 1280 | 294 | Jun-2016 | Android 6.0.1 |
| Apple iPhone 5S ↑ | 4.0" | 640 x 1136 | 326 | Sep-2013 | iOS 10.3.1 |
| Vivo V3 Max ↑ | 5.5" | 1080 x 1920 | 401 | Apr-2016 | Android 5.1 |
| Micromax Canvas Silver 5 Q450 ↑ | 4.8" | 720 x 1280 | 306 | Jul-2015 | Android 5.0.2 |
| Samsung Galaxy S6 Edge ↓ | 5.1" | 1440 x 2560 | 515 | Apr-2015 | Android 6.0.1 |
| OnePlus 2 ↑ | 5.5" | 1080x1920 | 401 | Aug-2015 | Android 5.1 |
| Leeco Le Max 2 NEW | 5.7" | 1440 x 2560 | 515 | May-2016 | Android 6.0 |
| LeEco Le 2 NEW | 5.5" | 1080 x 1920 | 401 | Apr-2016 | Android 6.0 |
| Xiaomi Mi 5 ↑ | 5.15" | 1080 x 1920 | 428 | Apr-2016 | Android 6.0 |
| Huawei Honor 6X ↑ | 5.5" | 1080 x 1920 | 403 | Oct-2016 | Android 6.0 |
| LeEco Le 1S ↑ | 5.5" | 1080 x 1920 | 401 | Feb-2016 | Android 5.0 |
| Samsung Galaxy S7 ↑ | 5.1" | 1440 x 2560 | 577 | Feb-2016 | Android 6.0.1 |
| Oppo F1 ↑ | 5.0" | 720 x 1280 | 294 | Feb-2016 | Android 5.1 |
| Samsung Galaxy On8 NEW | 5.5" | 1080 x 1920 | 401 | Oct-2016 | Android 6.0.1 |

Extended

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|-----------------------------------|------|-------------|-----|----------|---------------|
| ZTE Nubia Z11 Mini ↑ | 5.0" | 1080 x 1920 | 441 | May-2016 | Android 5.1.1 |
| Oppo A37 NEW | 5.0" | 720 x 1280 | 294 | Jun-2016 | Android 5.1 |
| Apple iPhone 6S ↑ | 4.7" | 750 x 1334 | 326 | Sep-2015 | iOS 10.3.1 |
| Apple iPhone 7 NEW | 4.7" | 750 x 1334 | 326 | Sep-2016 | iOS 10.3.1 |
| OnePlus 3T NEW | 5.5" | 1080 x 1920 | 441 | Nov-2016 | Android 7.0 |
| Apple iPad 2 ↓ | 9.7" | 1024 x 768 | 132 | Mar-2011 | iOS 9.3.5z |
| Vivo Y51L ↑ | 5.0" | 540 x 960 | 220 | Dec-2015 | Android 5.0.2 |

Mobile Market Calendar 2017

Be sure to plan ahead to get maximum test coverage.

| | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER | |
|--|--------------|----------|------------------------------|------------------|----------------------|------------------|------|--------|-----------|---------|----------|----------|--|
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DEVICES



OS

PROJECTED
TYPICAL
ADOPTION OF
MAJOR OS

Browser Calendar 2017

Be sure to plan ahead to get maximum test coverage.

| JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER |
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56



52 Beta



57 Beta



57



52
53 Beta



58



53
54 Beta



59 Beta



59



54
55 Beta



60 Beta



60



55
56 Beta



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62



56
57 Beta



63 Beta



57
58 Beta



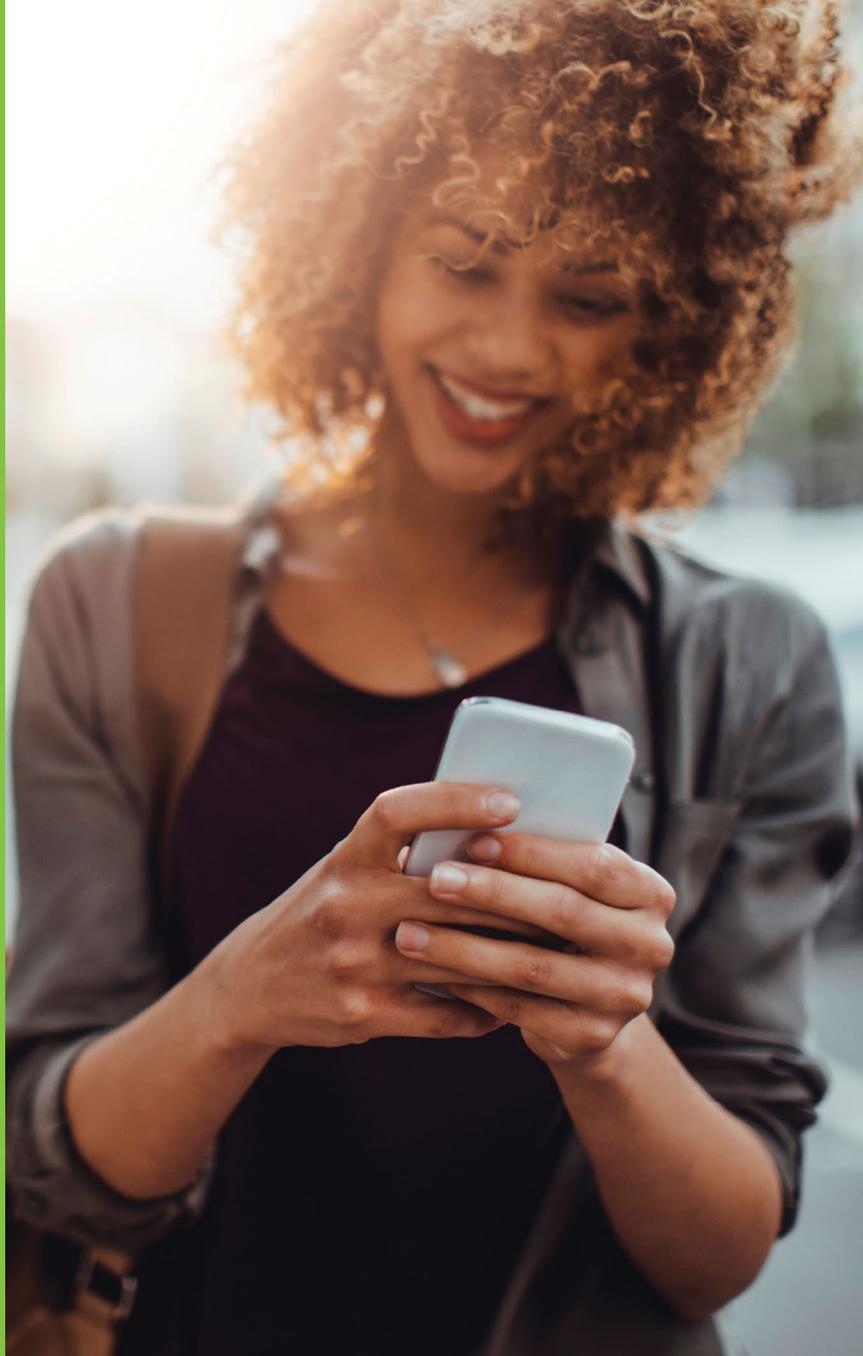
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Apple <https://developer.apple.com/support/app-store/>

Android Developers <http://developer.android.com/about/dashboards/index.html>

App Annie <https://www.appannie.com/>

IHS <https://www.ihs.com/index.html>

Localytics <http://www.localytics.com>