



Mobiliti™

Certified Device List – FP6 Release

Last Updated – March 2016 - ASP Version



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Revision and History

| Date | Description | Author |
|----------------|---|-----------|
| January 2012 | New document | Product |
| March 2012 | March 2012 updated list | Tech Comm |
| July 2012 | Updated list for June/July certifications | Tech Comm |
| Nov 2012 | Updated list for Production Release Date: Nov 15 2012- excerpted from Confluence | Tech Comm |
| Feb 2013 | Changes to Channel Support and Operating System Support topics; updated/removed devices; Known issues added | Tech Comm |
| March 2013 | Tablets supported | |
| April 2013 | Devices added/removed | Tech Comm |
| May 2013 | Updated Supported OS, Browsers, and Networks | Tech Comm |
| May 2013 | Separated tablets from phones | Product |
| June 2013 | Updated the copyright date | Tech Comm |
| August 2013 | Updated the lists; changed the format of the phone and tablet lists | Tech Comm |
| December 2013 | Updated the lists | Tech Comm |
| November 2014 | Updated the lists; changed the format | Tech Comm |
| June 2015 | Updated for MR6 | Tech Comm |
| September 2015 | Updated for FP5 | Tech Comm |
| February 2016 | Updated for FP6 | Tech Comm |

Certified Device List for Mobiliti – Phone Channel

NOTE: The Certified Device List supersedes the Supported Handset List that was delivered quarterly.

The Certified Device List details all phones that are certified to support the Mobiliti product. Phones no longer listed will continue to function as they did previously; however, they are not explicitly supported by Mobiliti.

The Certified Device List enables Fiserv to provide greater support for phones our clients are currently using, and the phones we predict they will begin using between now and the next release of the Certified Device List. All operating system updates received for phones at the time of publication of this list are also supported.

Scope

This document specifies only the phones supported or under evaluation for the Mobiliti ASP model as of the effective date of this document.

The applicable channels include SMS, Mobile Browser, and Downloadable Applications (APP).

Optimization

Mobiliti includes a Device Registry to manage phone optimization and specialization. Under its solution maintenance responsibilities, Fiserv tests and certifies the significant majority of mobile phones within a given market are effectively rendered across both the mobile browser and downloaded application access modes. Mobiliti's browser optimization and functional support for each phone is determined based on the specific phone's capabilities.

Currently, the Mobiliti Device Registry includes over 4,500 distinct phones, including over 400 phones from Nokia, 100 from HTC, and so on. The Device Registry is managed through Mobiliti's administrative console – Control Center.

Testing Approach

Fiserv has a formal process for assuring optimized usability of Mobiliti across a broad range of phones in the markets within which it operates. The focus of our testing activities and approach is on phones that are widely sold, widely used, and most likely to be used by consumers of mobile financial services.

For every product release Fiserv tests devices according to the following four metrics:

1. All devices used by 90% of the mobile banking population, based on pre-determined and reputable sources of industry data.
2. All devices, based on current sales trends, that are expected to reach the top 90% (as in 1.) within the three months from Certified Device List creation

3. Any devices newly released to market that are expected to reach the top 90% (as in 1.) within the three months from Certified Device List creation based on market reaction (i.e., where data is not available, next gen iPhone, Galaxy, etc.).
4. Up to 10 representative phones of varying makes, models, screen sizes, and operating systems.

Some devices not explicitly tested for and/or certified under Fiserv's device testing approach may still fully function as intended with Mobiliti. However, this document does not guarantee that they will.

Limitation of Applicability

For a given mobile phone model, a manufacturer may provide different versions of hardware, firmware, and operating system software. This practice is common, particularly for phones that are released into different geographic territories. These different versions of the same phone model may operate differently to the model version that has been assessed for the purposes of its inclusion in this document. Therefore, if the recipient of this information intends to give advice on the compatibility of a phone with the Mobiliti product, this must be tempered with a disclaimer informing the advisee of the limitation of the information.

Supported Operating Systems, Browsers, and Networks – Phone Channel

Supported Operating Systems

The following outlines the scope of Mobiliti’s operating system and network support.

NOTE: Only major versions released directly by OEMs (Apple or any Android hardware manufacturer) are included. Any OS version updates or patch releases that are released by carriers are not included in the scope for certification.

| Operating System | Minimum OS Version Support | Maximum OS Version Support | Hardware Requirements | Browser Support | Channel Support |
|------------------|---------------------------------|---|---|---|---|
| Android | Android version 4.1 (Jellybean) | All later major version updates are supported; for example 4.4, 5.0, 6.0 | Remote Deposit Capture support requires a camera of at least two mega-pixels in resolution. Mobiliti does not support the user of the Android “Developer options” settings | Only the default installed browser is supported. For the majority of devices this is the Android Browser For devices where Chrome is the default browser, this will be supported Beta versions of browsers, such as Chrome Beta, are not supported. The SMS channel is only supported for Android devices that have SMS capability | Touch Browser Android Application SMS |
| iOS – iPhone | iOS version 7.0 | All later major version updates are supported; for example 8.0, 8.1, 9 Beta releases of iOS will not be supported until they are publicly released | None | Only the default installed browser is supported. For all iPhone devices this is the Safari Browser Beta versions of all browsers, such as Chrome Beta, are not supported. | Touch Browser iPhone Application SMS |

| Operating System | Minimum OS Version Support | Maximum OS Version Support | Hardware Requirements | Browser Support | Channel Support |
|-----------------------------|--|---|---|--|----------------------|
| BlackBerry | BlackBerry OS version 4.2 (non-touch screen devices) BlackBerry OS version 4.7 (touch screen devices) | BlackBerry OS version 5.1 | None | The browser channel is no longer supported for non-Webkit capable BlackBerry devices | SMS |
| BlackBerry | BlackBerry OS version 6 | All later major version updates are supported; for example 6.1, 7, 10 | For touch browser support, devices must support Webkit rendering (OS 6.0 and above) | Only the default installed browser is supported. For all BlackBerry devices this is the BlackBerry browser | Touch Browser SMS |
| Windows Phone | Windows Phone OS version 8.0 | All later major version updates are supported; for example 8.1, 10.0 | None | Only the default installed browser is supported, third-party browsers are explicitly not supported. For Windows Phone 8 devices, this is Internet Explorer 10 or above. For Windows Phone 7.5 devices, this is Internet Explorer 9. No Beta versions are supported. | Touch Browser SMS |
| All other operating systems | N/A | N/A | None | Only the default installed browser is supported Devices that are specifically identified as not supporting Webkit compatible browsers are not supported. Where possible, devices will be directed to the Touch Browser channel. Beta versions and third-party browsers, such as Opera, are explicitly excluded | Touch Browser SMS |

For all device types, only devices running an unmodified version of the manufacturer-supplied operating system are supported.

Supported Networks

The Mobiliti product supports the Tier 1 carriers in the U.S., including:

- AT&T®
- Verizon®
- Sprint®
- T-Mobile®

Mobiliti's support for non-Tier 1 carriers depends on the contractual agreement between the SMS gateway provider (aggregator) and the individual carrier. Contact the Fiserv SMS Platform Manager for questions about a specific carrier's support for Mobiliti.

Latest Certified Device List – Phone Channel

The following outlines the scope of Mobiliti’s general device support. Only devices explicitly listed in the Certified Device List are fully supported. Other devices that conform to the general support policy below may function with Mobiliti.

| Brand/Manufacturer | Model | New To the List | OS | iPhone App | Android Phone App | Browser |
|--------------------|---------------|-----------------|---------------|------------|-------------------|---------|
| Apple | iPhone 4 | | iOS | Y | N | Y |
| Apple | iPhone 4S | | iOS | Y | N | Y |
| Apple | iPhone 5 | | iOS | Y | N | Y |
| Apple | iPhone 5C | | iOS | Y | N | Y |
| Apple | iPhone 5S | | iOS | Y | N | Y |
| Apple | iPhone 6 | | iOS | Y | N | Y |
| Apple | iPhone 6 Plus | | iOS | Y | N | Y |
| AT&T | Z998 | | Android | N | Y | Y |
| BlackBerry | Z10 | | BlackBerry OS | N | N | Y |
| Google | Nexus 4 | Y | Android | N | Y | Y |
| Google | Nexus 5 | Y | Android | N | Y | Y |
| HTC | Droid DNA | | Android | N | Y | Y |
| HTC | EVO 4G | | Android | N | Y | Y |
| HTC | EVO 4G LTE | | Android | N | Y | Y |
| HTC | Incredible 2 | | Android | N | Y | Y |
| HTC | One M7 | | Android | N | Y | Y |
| HTC | One M8 | | Android | N | Y | Y |
| HTC | One XL | Y | Android | N | Y | Y |
| HTC | Thunderbolt | | Android | N | Y | Y |

| Brand/Manufacturer | Model | New To the List | OS | iPhone App | Android Phone App | Browser |
|--------------------|-----------------------|-----------------|---------|------------|-------------------|---------|
| LG | Connect 4G | | Android | N | Y | Y |
| LG | F60 | Y | Android | N | Y | Y |
| LG | G2 | Y | Android | N | Y | Y |
| LG | G3 | | Android | N | Y | Y |
| LG | Optimus G | Y | Android | N | Y | Y |
| LG | Optimus G Pro | Y | Android | N | Y | Y |
| LG | Optimus L70 | | Android | N | Y | Y |
| LG | Optimus L9 | | Android | N | Y | Y |
| LG | Optimus One | | Android | N | Y | Y |
| Motorola | Droid 3 / Milestone 3 | | Android | N | Y | Y |
| Motorola | Droid 4 | | Android | N | Y | Y |
| Motorola | Droid Bionic | | Android | N | Y | Y |
| Motorola | DROID MAXX | | Android | N | Y | Y |
| Motorola | DROID MINI | | Android | N | Y | Y |
| Motorola | DROID RAZR | | Android | N | Y | Y |
| Motorola | DROID RAZR HD | | Android | N | Y | Y |
| Motorola | DROID RAZR M | | Android | N | Y | Y |
| Motorola | DROID Turbo | | Android | N | Y | Y |
| Motorola | DROID ULTRA | | Android | N | Y | Y |
| Motorola | Droid X | | Android | N | Y | Y |
| Motorola | Droid X2 | | Android | N | Y | Y |
| Motorola | Electrify M | | Android | N | Y | Y |
| Motorola | Moto G | | Android | N | Y | Y |

| Brand/Manufacturer | Model | New To the List | OS | iPhone App | Android Phone App | Browser |
|--------------------|-------------------|-----------------|---------------|------------|-------------------|---------|
| Motorola | Moto X | | Android | N | Y | Y |
| Motorola | Nexus 6 | | Android | N | Y | Y |
| Motorola | Photon 4G | | Android | N | Y | Y |
| NEC Casio | G'zOne Commando | | Android | N | Y | Y |
| Nokia | Lumia 520 | | Windows Phone | N | N | Y |
| Nokia | Lumia 920 | | Windows Phone | N | N | Y |
| Samsung | Galaxy Centura | | Android | N | Y | Y |
| Samsung | Galaxy Core LTE | | Android | N | Y | Y |
| Samsung | Galaxy Core Prime | Y | Android | N | Y | Y |
| Samsung | Galaxy Light | | Android | N | Y | Y |
| Samsung | Galaxy Mega 6.3 | | Android | N | Y | Y |
| Samsung | Galaxy Nexus | | Android | N | Y | Y |
| Samsung | Galaxy Note 2 | | Android | N | Y | Y |
| Samsung | Galaxy Note 3 | | Android | N | Y | Y |
| Samsung | Galaxy Note 4 | | Android | N | Y | Y |
| Samsung | Galaxy Note Edge | Y | Android | N | Y | Y |
| Samsung | Galaxy Proclaim | | Android | N | Y | Y |
| Samsung | Galaxy S | | Android | N | Y | Y |
| Samsung | Galaxy S2 | | Android | N | Y | Y |
| Samsung | Galaxy S2 Epic | | Android | N | Y | Y |
| Samsung | Galaxy S3 | | Android | N | Y | Y |
| Samsung | Galaxy S3 Mini | | Android | N | Y | Y |
| Samsung | Galaxy S4 | | Android | N | Y | Y |

| Brand/Manufacturer | Model | New To the List | OS | iPhone App | Android Phone App | Browser |
|--------------------|-----------------------|-----------------|---------|------------|-------------------|---------|
| Samsung | Galaxy S4 Mini | | Android | N | Y | Y |
| Samsung | Galaxy S5 | | Android | N | Y | Y |
| Samsung | Galaxy S6 | Y | Android | N | Y | Y |
| Samsung | Galaxy S Stratosphere | | Android | N | Y | Y |
| Samsung | Galaxy Stratosphere 2 | | Android | N | Y | Y |

Known Issues – Phone Channel

| Device | Issue | Workaround |
|------------------|---|---|
| Motorola Droid X | When the camera is started, an out-of-memory exception occurs. This exception only occurs with the original factory firmware. | Motorola has an update that resolves this issue. Suggest the user update the device to the latest firmware. |

Certified Device List for Mobiliti – Tablet Channel

The Certified Device List enables Fiserv to provide greater support for tablets our clients are currently using, and the tablets we predict they will begin using between now and the next release of the Certified Device List. All operating system updates received for tablets at the time of publication of this list are also supported.

Scope

This document specifies only the tablets supported or under evaluation for the Mobiliti ASP model as of the effective date of this document. Mobiliti Tablet supports the downloadable application channel only.

Criteria for Inclusion in the Certified Device List

As the tablet market is consolidated around a small number of form factors, screen resolutions, and chipsets, the Certified Device List provides a representative sample of tablets based on Fiserv's research from reputable sources. A device will be included in the Certified Device List if it meets all of the following criteria:

Apple

All Apple iPad devices are included in the list.

Android

- The device has a minimum screen size of 7" diagonal. Devices with screen sizes below 7" are supported by the phone channel.
- The device can support Android 4.0.3 (Android API level 15) or above. If the device is shipped with an OS version below 4.0.3, but the manufacturer provides an update to this version or later, then only upgraded devices are supported.
- The device supports either Google Play or the Amazon Appstore.
- The device is deemed to have sufficient market penetration based on reputed industry sources (0.5% market share is the cut-off value).
- The device is deemed to be strategically important.
- A device may be excluded from testing if it is sufficiently similar to another device from the same manufacturer (and thus is covered by the testing of the other device).

Testing Approach

The Mobiliti Tablet application is fully tested on all devices included in this list. It is likely that the application will run on a wide variety of Tablet devices; however, this document does not constitute warranty that it will.

Supported Operating Systems and Networks – Tablet Channel

The following outlines the scope of Mobiliti’s operating system and network support.

Supported Operating Systems

| Operating System | Minimum OS Version Support | Maximum OS Version Support | Hardware Requirements | Application Support |
|------------------|----------------------------|---|--|----------------------------|
| Android | Android version 4.0.3 | All later major version updates are supported, for example: 4.1, 4.2, 4.3, 4.4, 5.0 Beta releases of Android will not be supported until they are publicly released. | Remote Deposit Capture support requires a rear-facing camera of at least two mega-pixels in resolution. Google Play Services is required to support the Locations feature (thus this feature is unsupported on Amazon devices). | Android Tablet Application |
| iOS - iPad | iOS version 5.0.1 | All later major version updates are supported; for example 5.1, 6.0, 6.1, 7.0, 8.0, 8.1 Beta releases of iOS will not be supported until they are publicly released | Remote Deposit Capture support requires a camera of at least two mega-pixels in resolution (Note: the iPad 1 and iPad 2 do not meet this requirement) | iPad Application |

Supported Networks

The Mobiliti product can operate on any unrestricted TCP/IP data network. Operation on restricted networks (e.g., where a firewall might be in place) is not guaranteed.

Latest Certified Device List – Tablet Channel

The following outlines the scope of Mobiliti’s general device support. Only devices explicitly listed in the Certified Device List are fully supported. Other devices that conform to the general support policy may function with Mobiliti. For all device types, only devices running an unmodified version of the manufacturer-supplied operating system are supported.

NOTE: FP6 was only released for iPad, not for Android tablet, therefore only the iOS portion of the Tablet Certified Device List was verified and updated.

| Brand/ Manufacturer | Model | Screen Size | New To the List | OS | iPad App | Android Tablet App (Google Play) | Android Tablet App (Amazon) | Rear Camera (Mobile Deposit) |
|------------------------|-----------------|----------------|--------------------|---------------------|----------|-------------------------------------|--------------------------------|---------------------------------|
| Apple | iPad 2 | 9.7" | | iOS | Y | | | Y |
| Apple | iPad 3 | 9.7" | | iOS | Y | | | Y |
| Apple | iPad 4 | 9.7" | | iOS | Y | | | Y |
| Apple | iPad Air | 9.7" | | iOS | Y | | | Y |
| Apple | iPad Air 2 | 9.7" | Y | iOS | Y | | | Y |
| Apple | iPad Pro | 12.9" | Y | iOS | Y | | | Y |
| Apple | iPad Mini | 7.9" | | iOS | Y | | | Y |
| Apple | iPad Mini 2 | 7.9" | | iOS | Y | | | Y |
| Apple | iPad Mini 3 | 7.9" | Y | iOS | Y | | | Y |
| Apple | iPad Mini 4 | 7.9" | Y | iOS | Y | | | Y |
| Amazon | Kindle Fire HD | 8.9" | | Android (Amazon) | | | Y | N |
| Amazon | Kindle Fire HDX | 8.9" | | Android (Amazon) | | | Y | Y |
| Amazon | Kindle Fire HD | 7" | | Android (Amazon) | | | Y | N |
| Amazon | Kindle Fire HDX | 7" | | Android (Amazon) | | | Y | N |

| Brand/ Manufacturer | Model | Screen Size | New To the List | OS | iPad App | Android Tablet App (Google Play) | Android Tablet App (Amazon) | Rear Camera (Mobile Deposit) |
|------------------------|----------------------------------|----------------|--------------------|---------|----------|-------------------------------------|--------------------------------|---------------------------------|
| Acer | A5xx | 10.1" | | Android | | Y | | Y |
| ASUS | Nexus 7 II | 7" | | Android | | Y | | Y |
| ASUS | Nexus 7 | 7" | | Android | | Y | | Y |
| Barnes & Noble | Nook HD+ | 9" | | Android | | Y | | N |
| Samsung | Galaxy Tab | 10.1" | | Android | | Y | | Y |
| Samsung | Galaxy Tab 2 | 7" | | Android | | Y | | Y |
| Samsung | Galaxy Tab 3 | 10.1" | | Android | | Y | | Y |
| Samsung | Galaxy Note 10.1 | 10.1" | | Android | | Y | | Y |
| Samsung | Galaxy Note 10.1 2014 Edition | 10.1" | | Android | | Y | | Y |
| Samsung | Nexus 10 | 10.1" | | Android | | Y | | Y |