



Mobiliti™

Certified Device List

September 2018 - ASP Version



© 2011-2018 Fiserv, Inc. or its affiliates. All rights reserved. This work is confidential and its use is strictly limited. Use is permitted only in accordance with the terms of the agreement under which it was furnished. Any other use, duplication, or dissemination without the prior written consent of Fiserv, Inc. or its affiliates is strictly prohibited. The information contained herein is subject to change without notice. Except as specified by the agreement under which the materials are furnished, Fiserv, Inc. and its affiliates do not accept any liabilities with respect to the information contained herein and is not responsible for any direct, indirect, special, consequential or exemplary damages resulting from the use of this information. No warranties, either express or implied, are granted or extended by this document.

<http://www.fiserv.com>

Fiserv is a registered trademark of Fiserv, Inc.

Other brands and their products are trademarks or registered trademarks of their respective holders and should be noted as such.

Contents

- Revision and History 4**
- Certified Device List for Mobiliti – Phone Channel..... 5**
 - Scope5
 - Optimization5
 - Testing Approach5
 - Limitation of Applicability.....6
 - Supported Operating Systems, Browsers, Networks, and Stores – Phone Channel7
 - Supported Operating Systems7
 - Supported Browsers for Desktop-Based Support/Self-Service Web Applications.....9
 - Supported Networks 10
 - Supported Online Stores (App Stores)..... 10
 - Latest Certified Device List – Phone Channel 11
 - Devices Removed from Last Certified Device List..... 14
- Certified Device List for Mobiliti – Tablet Channel 15**
 - Scope 15
 - Criteria for Inclusion in the Certified Device List 15
 - Testing Approach 16
 - Supported Operating Systems and Networks – Tablet Channel 16
 - Supported Operating Systems 16
 - Supported Networks 17
 - Latest Certified Device List – Tablet Channel..... 18
 - Devices Removed from Last Certified Device List..... 19

Revision and History

Date	Description	Author
January 2012	New document	Product
March 2012	March 2012 updated list	Product Doc
July 2012	Updated list for June/July certifications	Product Doc
Nov 2012	Updated list for Production Release Date: Nov 15 2012- excerpted from Confluence	Product Doc
Feb 2013	Changes to Channel Support and Operating System Support topics; updated/removed devices; Known issues added	Product Doc
March 2013	Tablets supported	
April 2013	Devices added/removed	Product Doc
May 2013	Updated Supported OS, Browsers, and Networks	Product Doc
May 2013	Separated tablets from phones	Product
June 2013	Updated the copyright date	Product Doc
August 2013	Updated the lists; changed the format of the phone and tablet lists	Product Doc
December 2013	Updated the lists	Product Doc
November 2014	Updated the lists; changed the format	Product Doc
June 2015	Updated for MR6	Product Doc
September 2015	Updated for FP5	Product Doc
February 2016	Updated for FP6	Product Doc
July 2016	Updated for Quarter Two	Product Doc
October 2016	Updated for Quarter Three	Product Doc
January 2017	Updated for Quarter One	Product Doc
March 2017	Updated to remove OnePlus 3 device	Product Doc
May 2017	Updated for Quarter Two; Removed Amazon support	Product Doc
July 2017	Updated for Quarter Three	Product Doc
October 2017	Updated for Quarter Four	Product Doc
November 2017	Updated to include note about Oreo for Android Tablet and Google Pixel	Product Doc
February 2018	Updated for Quarter One	Product Doc
April 2018	Updated for Quarter Two	Product Doc
May 2018	Changed "Fingerprint Login Supported" for Samsung Galaxy S5 and Samsung Galaxy Note 4 to "N."	Product Doc
September 2018	Updated for the newest release	Product Doc

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 70% 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 70% (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 70% (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, Networks, and Stores – 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.

IMPORTANT NOTE about TLS (Transport Layer Security) 1.2: Mobiliti only supports TLS 1.2 for app communications. Any device or browser that does not support TLS 1.2 will not be able to connect to Mobiliti services—even if the device is on a supported operating system version. This is being enforced to comply with security mandates from regulatory authorities and ensures secure communications for mobile banking users.

Operating System	Minimum OS Version Support	Maximum OS Version Support	Hardware Requirements	Browser Support	Channel Support
Android	Android version 5.0 (Lollipop)	All later major version updates are supported; for example 6.0, 7.0, 8.0	Remote Deposit Capture support requires a camera of at least two mega-pixels in resolution. Mobiliti does not support the use 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 10.0	All later major version updates are supported; for example 10.0, 11.0 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	Touch Browser iPhone Application SMS

Operating System	Minimum OS Version Support	Maximum OS Version Support	Hardware Requirements	Browser Support	Channel Support
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 Browsers for Desktop-Based Support/Self-Service Web Applications

Supported Browsers are fully tested

Allowed Browsers have basic flows tested to ensure they function correctly. However, there may be cosmetic issues or issues with alternate flows that were not tested.

The resolution is set in the display preferences and the browser window maximized to test the applications (optimum resolution is 1024 x 768).

The latest builds of major versions are tested.

Desktop Web Application	Desktop OS	Supported Browser(s)	Allowed Browser(s)
Internet Self Service (accessed through online banking)	Windows 7	Internet Explorer 11 Chrome – Latest stable Firefox – Latest stable	Internet Explorer 9 Internet Explorer 8 (to support COL 4.1 CDL)
	Windows 10	Internet Explorer 11 (default) Chrome – Latest stable Firefox – Latest stable	Microsoft Edge
	Mac OSX – Latest stable	Safari – Latest stable	
Customer Manager (accessed through Relationship Manager)	Windows 7	Internet Explorer 11	Internet Explorer 9
	Windows 8	Internet Explorer 11	
Control Center	Windows 7	Internet Explorer 11	Internet Explorer 9
	Windows 8	Internet Explorer 11	

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.

Supported Online Stores (App Stores)

- iTunes App Stores (Apple App Store)
- Google Play (Android app store)

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	Fingerprint Login Supported
Apple	iPhone 5S		iOS	Y	N	Y	Y
Apple	iPhone 6		iOS	Y	N	Y	Y
Apple	iPhone 6 Plus		iOS	Y	N	Y	Y
Apple	iPhone 6S		iOS	Y	N	Y	Y
Apple	iPhone 6S Plus		iOS	Y	N	Y	Y
Apple	iPhone 7		iOS	Y	N	Y	Y
Apple	iPhone 7 Plus		iOS	Y	N	Y	Y
Apple	iPhone 8		iOS	Y	N	Y	Y
Apple	iPhone 8 Plus		iOS	Y	N	Y	Y
Apple	iPhone SE		iOS	Y	N	Y	Y
Apple	iPhone X		iOS	Y	N	Y	N (Face ID)
Google	Pixel 2		Android	N	Y	Y	Y
Google	Pixel 2 XL		Android	N	Y	Y	Y
HTC	One M8		Android	N	Y	Y	N
HTC	One M9		Android	N	Y	Y	N
Huawei	Nexus 6P		Android	N	Y	Y	Y
LG	G4		Android	N	Y	Y	N
LG	G5		Android	N	Y	Y	Y
LG	K20 Plus	Y	Android	N	Y	Y	N

Brand/ Manufacturer	Model	New To the List	OS	iPhone App	Android Phone App	Browser	Fingerprint Login Supported
LG	Nexus 5		Android	N	Y	Y	N
LG	Stylo 3	Y	Android	N	Y	Y	N
LG	V10		Android	N	Y	Y	Y
LG	V20	Y	Android	N	Y	Y	Y
LG	V30		Android	N	Y	Y	Y
Motorola	DROID Turbo		Android	N	Y	Y	N
Motorola	Moto G		Android	N	Y	Y	N
Motorola	Moto X		Android	N	Y	Y	N
Motorola	Moto Z2 Force		Android	N	Y	Y	Y
Motorola	Moto Z2 Play	Y	Android	N	Y	Y	Y
Motorola	Moto Z Force Droid		Android	N	Y	Y	Y
Samsung	Galaxy Grand Prime		Android	N	Y	Y	N
Samsung	Galaxy J7		Android	N	Y	Y	Y
Samsung	Galaxy Note 3		Android	N	Y	Y	N
Samsung	Galaxy Note 4		Android	N	Y	Y	N
Samsung	Galaxy Note 5		Android	N	Y	Y	Y
Samsung	Galaxy Note 8		Andorid	N	Y	Y	Y
Samsung	Galaxy Note Edge		Android	N	Y	Y	Y
Samsung	Galaxy S4		Android	N	Y	Y	N
Samsung	Galaxy S5		Android	N	Y	Y	N
Samsung	Galaxy S6		Android	N	Y	Y	Y
Samsung	Galaxy S6 Edge		Android	N	Y	Y	Y

Brand/ Manufacturer	Model	New To the List	OS	iPhone App	Android Phone App	Browser	Fingerprint Login Supported
Samsung	Galaxy S6 Edge Plus		Android	N	Y	Y	Y
Samsung	Galaxy S7		Android	N	Y	Y	Y
Samsung	Galaxy S7 Active	Y	Android	N	Y	Y	Y
Samsung	Galaxy S7 Edge		Android	N	Y	Y	Y
Samsung	Galaxy S8		Android	N	Y	Y	Y
Samsung	Galaxy S8 Plus		Android	N	Y	Y	Y
Samsung	Galaxy S9		Android	N	Y	Y	Y
Samsung	Galaxy S9 Plus	Y	Android	N	Y	Y	Y

Face ID Compatibility: Face ID is available with the iPhone X model, which will not have Touch ID capability. Our understanding is that Mobiliti apps and existing Touch ID functionality will continue to work on the iPhone. If the user has set up Face ID correctly, Mobiliti app authentication will be able to use Face ID instead of Touch ID. If the user does not set up Face ID and tries to use Touch ID in the Mobiliti app, incorrect prompts may be displayed. These are not critical issues, and if users correctly set up Face ID, the experience should be seamless.

Devices Removed from Last Certified Device List

Brand/ Manufacturer	Model
Blackberry	Z10
Nokia	Lumia 920
LG	Leon
LG	L90
Motorola	Moto E
Samsung	Galaxy Core Prime
ZTE	ZMax Pro

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 4.4 (Android API level 19) or above. If the device is shipped with an OS version below 4.4, but the manufacturer provides an update to this version or later, then only upgraded devices are supported.
- The device supports Google Play store. Amazon devices (Fire tablets) are not certified because the Amazon store is not compatible with Mobiliti's security features (tamper protection).
- 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	Browser Support	Application Support
Android	Android version 5.0 (Lollipop)	All later major version updates are supported, for example: 6.0, 7.0	Remote Deposit Capture support requires a rear-facing camera of at least two mega-pixels in resolution.	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.	Touch Browser Android Tablet Application
iOS	iOS version 10.0	All later major version updates are supported; for example 11.0 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	Only the default installed browser (Safari) is supported	Touch Browser 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.

Brand/ Manufacturer	Model	Screen Size	New To the List	OS	iPad App	Android Tablet App (Google Play)	Rear Camera (Mobile Deposit)
Apple	iPad (5 th Generation – 2017)	9.7”		iOS	Y		Y
Apple	iPad (6 th Generation – 2018)	9.7”		iOS	Y		Y
Apple	iPad (Fall 2017)	10.5”		iOS	Y		Y
Apple	iPad Air	9.7”		iOS	Y		Y
Apple	iPad Air 2	9.7”		iOS	Y		Y
Apple	iPad Mini 2	7.9”		iOS	Y		Y
Apple	iPad Mini 3	7.9”		iOS	Y		Y
Apple	iPad Mini 4	7.9”		iOS	Y		Y
Apple	iPad Pro	9.7”		iOS	Y		Y
Apple	iPad Pro	12.9”		iOS	Y		Y
ASUS	Nexus 7 II	7”		Android		Y	Y
ASUS	ZenPad 3S10	17.3”		Android		Y	Y
Google	Pixel C	10.2”		Android		Y	Y
Huawei	MediaPad M3 8	8.4”		Android		Y	Y
Lenova	Yoga Tab 3 Pro	10.1”		Android		Y	Y
Samsung	Galaxy Note 10.1 2014 Edition	10.1”		Android		Y	Y
Samsung	Galaxy Tab S3	9.7”	Y	Android		Y	Y

Devices Removed from Last Certified Device List

Brand/ Manufacturer	Model	Screen Size	New To the List	OS	iPad App	Android Tablet App (Google Play)	Rear Camera (Mobile Deposit)
Samsung	Galaxy Tab 3	7"		Android		Y	Y
Samsung	Galaxy Tab 4	10.1"		Android		Y	Y