Release Notes - Zebra MC67 Android KK FIPS LifeGuard Update 12

Highlights

This release contains the following software package which is compatible with the MC67 KK FIPS product. LifeGuard patches are cumulative and include all previous fixes that are part of earlier patch releases.

Software Packages

Package Name	Package Description
CFE-MC67NA-K-F0-032001-N-00-12.zip	CFE package update for FIPS

Security Updates:

Android Security Patch Level: Mar 5, 2017 (Critical Patch Level: Dec 1, 2021)

Use below link to refer the Android Security bulletin for more information:
https://source.android.com/security/bulletin/

CFE v12:
- ❖ **CFE-MC67NA-K-F0-032001-N-00-12.zip**

1. CVE 2021-1048 Patched the use-after-free security vulnerability which could allow code execution and local elevation of privilege to the kernel from an untrusted application. (SPR 45273)

CFE v11:
- ❖ **CFE-MC67NA-K-F0-032001-N-00-11.zip**

CFE v10:
- ❖ **CFE-MC67NA-K-F0-032001-N-00-10.zip**

Updated below Components:
FUSION_A_4.01.0.0.021

CFE v9:
- ❖ **CFE-MC67NA-K-F0-032001-N-00-09.zip**

CFE v8:
- ❖ **CFE-MC67NA-K-F0-032001-N-00-08.zip**

CFE v7:
- ❖ **CFE-MC67NA-K-F0-032001-N-00-07.zip**

SPR38494 - Enabled the support of hotspot in MC67 device

CFE v6:
- ❖ **CFE-MC67NA-K-F0-032001-N-00-06.zip**

1. Updated below mentioned components:
   - ➤ Mx: 7.3.1.1
     - o SPR36354 - Resolved an issue wherein DHCP Option Manager was not boot persistent
2. Updated to handle extended GPS Week number for correct date calculation due to GPS week number roll over.

CFE v5:
- ❖ **CFE-MC67NA-K-F0-032001-N-00-05.zip**

CFE v4:
- ❖ **CFE-MC67NA-K-F0-032001-N-00-04.zip**

1. Zebra-EULA (End User License Agreement) is included in Android Settings which allows the end user to view the status of Machine Data collection by Zebra Data Service Agent (ZDS).

2. Included Zebra Software License Manager (ZSL) v3.1.1

3. Updated below mentioned components:
   - ➤ Mx: 7.3.0.0

CFE v3:
- ❖ **CFE-MC67NA-K-F0-032001-N-00-03.zip**

1. Updated DataAnalytics version : 1.0.2.2091

2. SPR33599 - Resolved an issue wherein few system apps were being disabled after Applock whitelist mode was enabled.

3. SPR34573 - Resolved an issue wherein the Cellular Data connection notification was significantly delayed.

4. SPR33512 - Resolved an issue wherein TCPDump rollback was not happening when Change in Network connection was detected.

5. SPR33948 - Fixed SSL Exception due to incomplete TLS extension information in client hello packet.

CFE v2:
- ❖ **CFE-MC67NA-K-F0-032001-N-00-02.zip**

1. Spectre & Meltdown correction for variant 2
2. SPR32934 - Resolved an issue wherein Sound on Keypress was not working for hardware keypad keystrokes.
3. SPR33538 - Resolved an issue wherein scanner beam stuck off when pressing scanner button.

CFE v1:
- ❖ **CFE-MC67NA-K-F0-032001-N-00-01.zip**

1. Corrections for KRACK vulnerabilities applied.

2. Included fix for Blueborne vulnerability.

3. Updated below mentioned components:
   - DataWedge: 6.5.61
   - EMDK: 6.6.14
   - StageNow: 2.8.1
   - Mx: 7.0.3.0

4. SPR33268 - Resolved an issue wherein WWAN disable state was not persistent after reboot.

5. SPR32765 - Resolved an issue wherein the screen lock did not get deactivated, though the screen lock was set to none.

6. SPR32972 - Resolved an issue wherein behavior of multi tap keys on hardware keyboard was incorrect on the browser pages.

7. SPR32676 - Resolved an issue wherein DataWedge crashes due to velocity application profile creation.

Version Information
Below Table contains important information on versions**:**

Description	Version
Product Build Number	03-20-01-4AJ22-K-F0-M1-081917
Android Version	4.4.4 (KitKat)
Security Patch level	March 5, 2017 (Critical Patch Level: Dec 1, 2021)
Linux_kernel	3.4.48
Component Versions	Please see Component Version under Addendum section

Important Links
- **Requirements & Instruction:**

  - o Installation and setup instruction
- Zebra Techdocs
- Developer Tools

Device Support

This software release has been approved for Android MC67 KK models mentioned below.

Device	Operating System
MC67NA-PDAEAA0050U	Android KitKat 4.4.4
MC67NA-PDAEAB0050U	Android KitKat 4.4.4
MC67NA-PDAEAF0050U	Android KitKat 4.4.4
MC67NA-PDAEAA00500	Android KitKat 4.4.4
MC67NA-PDAEAB00500	Android KitKat 4.4.4
MC67NA-PBAEAA00500	Android KitKat 4.4.4
MC67NA-PBAEAB00500	Android KitKat 4.4.4

Addendum

Component Version

Component / Description	Version
Patch Version	12
Android SDK Level	19
Bluetooth Stack	4.4.4-24
DataWedge	6.5.61
Scanning Framework	6.36.0
MSP	7.08.86
DWDemo	2.0.12
Fusion	FUSION_A_4.01.0.0.021
MXMF Version	7.3.1.1
OSX	TI_OSX_4.5-3
PTT	3.1.32
RxLogger	3.0.0.52
EA	3.66
SPAM	2.19

StageNow	2.7.2.1039
B2M Elemez	1.0.0.352
Data Analytics	1.0.2.2091
App Gallery	3.0.1.7
SOTI	12.2.0 Build 23434
EMDK	6.6.14.914
ZVC	1.1.15
BaseBand	3.320
Device Diagnostics	1.15.0.4
RD Client	7.08.86
ZSL	3.1.1
GPS Firmware	91.101
WWAN Firmware	PH8-P_R03.320_A01.000.06

Revision History

Rev	Description	Date
1.0	Initial Release	Dec 27, 2021