RFD40 Software Release Notes (SAAFKS00-002-R03)

Release Notes for RFD40 SAAFKS00-002-R03 Released Feb/11/2022

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Introduction

These release notes are for the RFD40 and RFD90 firmware release SAAFKS00-002-R03, firmware supports all RFD40XX and RFD90XX models

Software Deliverables

SAAFKS00-002-R03 contains the following firmware components:

IMAGE TYPE	VERSION	FILE NAME
Bootloader	BAAFKS00-002-R00	BAAFKS00-002-R00E0.DAT
ProductCode Firmware	PAAFKS00-002-R03	PAAFKS00-002-R03E0.DAT
RFID module Firmware	2.0.41	nge-bf525-dev-rev2.0.41.hex
Scanner firmware	PAAEOC20-003-R01	PAAEOC20-003-R01D0.DAT

SAAFKS00-002-R03 major changes since SAAFKS00-002-R01

- Supports all RFD90 models
- Fixes intermittent reader reboot issue when testing access operation with certain tags
- Improves iOS Bluetooth barcode test stability

SAAFKS00-002-R01 major changes since SAAFKS00-001-R05

- Supports all RFD40 Bluetooth models, supports Windows, Android and iOS Bluetooth host
- Supports all RFD40 scanner models

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- Supports encrypted RFID and scanner module firmware update
- Fixes long term RFID inventory fastest read profile stop reading issue
- Supports USB and Bluetooth HID mode
- Supports Bluetooth and USB RFID batch mode
- Supports Bluetooth scanner batch mode

Additional Notes

- The minimum requirement of firmware version for upgrade to SAAFKS00-002-R01 or above is SAAFKS00-002-R00. If reader is updated from firmware older than SAAFKS00-002-R00, updating to SAAFKS00-002-R00 first is required before updating SAAFKS00-002-R01 or above.
- Only RFD40 standard models can be downgraded to firmware version lower than SAAFKS00-002-R00 such as SAAFKS00-001-R05
- Firmware version SAAFKS00-002-R00 cannot be used for regular operations, it is used only for upgrading purpose
- Zebra CDC driver should not be installed on Windows 10
- USB scanner batch mode is not supported

Known issues

- When waking up from Bluetooth HID low power mode, all LEDs may blink red, and RFID may not work
- Scanner firmware update may fail intermittently, retry will work
- After switching from USB host to common IO host and then detach terminal from common IO, intermittently Bluetooth is not turned on, Blueooth LED is off
- If Bluetooth is connected and disconnected quickly and frequently, intermittently Bluetooth LED may stay on when Bluetooth is disconnectd