BioEntry R2

RELEASE NOTES

Version 1.4.2

English
EN 301.00.BER2

suprema
SECURITY & BIOMETRICS

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Firmware Version 1.4.2 (Build No. 1.4.2_260428)

Release | 2026-04-30

New Features and Improvements

1. Improved fingerprint recognition sensor stability

Firmware Version 1.4.1 (Build No. 1.4.1_210511)

Release | 2021-06-01

Bug Fixes

1. Card data were output with the wrong BitCount while the device was communicating with a 3rd party controller via OSDP. Affects version: 1.0.0
2. While the device was communicating with a 3rd party controller via OSDP, the device connected as a slave responded that it supported transparent mode by OSDP_PDCAP even though it did not actually support that mode. Affects version: 1.0.0
3. It was not able to communicate with a 3rd-party controller via OSDP with the default key before network initialization. (only for devices released with the firmware version 1.4.0 or later) Affects version: 1.4.0
4. It was able to communicate using default keys after changing the key settings when the device was connected to a 3rd-party device via OSDP. Affects version: 1.3.0
5. After initializing the slave device's settings, it was not able to connect it to a 3rd-party controller. Affects version: 1.0.0
6. Secure communication was not available by using the default key after downgrading firmware to version 1.3.1 or below which does not support encryption. Affects version: 1.4.0

Firmware Version 1.4.0 (Build No. 1.4.0_200521)

Release | 2020-05-27

New Features and Improvements

1. Added feature to change device ID.
2. Enhancement in the security of the device.
    - Supports secure tamper.
    - Enhancement in security of encryption keys.
    - Restrict access through communications such as TCP/IP, RS-232, and USB.
    - Encrypt and migrate user information.
3. Changed the color of LED indicator.

Bug Fixes

1. A bug where OSDP Communication does not work normally if the value sent to the slave device is greater than the defined value.
2. A bug when a device is connected as a slave device after factory default, the 'Card Type' on the device setting page becomes inactivated.

Firmware Version 1.3.1 (Build No. 1.3.1_190829)

Release | 2019-09-19

New Features and Improvements

1. Improved the speed at which the device recognizes 13.56 MHz cards.

Bug Fixes

1. The device recognizes the DESFire(Adv) card as a CSN if the device is restarted when the smart card layout set as DESFire(Adv).

Firmware Version 1.3.0 (Build No. 1.3.0_190626)

Release | 2019-07-12

New Features and Improvements

1. OSDP Standardization
    - Improved to comply with OSDP V2.1.7 protocol when connecting with 3rd-party controllers.
2. Supports options for selection by card type.
3. Supports the latest version of I/O module Micom (V1.3.1).
4. Firmware upgrade status is added to LED status indicator.

Bug Fixes

1. Applies FA improvement algorithm.
2. Authentication results are printed after LED status indicator changes color to normal during authentication.

Firmware Version 1.2.0 (Build No. 1.2.0_181106)

Release | 2018-11-29

New Features and Improvements

1. Support to AES encryption type for DESFire card.
2. Support to DESFire/DESFire EV1 Advanced option.
3. If the data transmission fails when communicating with OSDP, it is transmitted again.

Bug Fixes

1. When communicating with OSDP, the LED color is displayed differently from the setting.
2. Improves I/O module Input and Output process.
3. The device cannot read CSN because the card recognized as an NFC tag.

Firmware Version 1.1.1 (Build No. 1.1.1_180720)

Release | 2018-07-25

Bug Fixes

1. The device restarts when authentication fails.
2. The RF module of the device gets damaged when using a 13.56 MHz card.

Firmware Version 1.1.0 (Build No. 1.1.0_180311)

Release | 2018-03-23

New Features and Improvements

1. Support ISO14443A 10 Byte CSN.

Bug Fixes

1. Problem with reading mobile smart cards on Galaxy S4.
2. Galaxy S5 NFC is recognized as a CSN card when authenticating with NFC and the authentication fails.
3. Fixed that Hard APB authentication failure notification is distinguished from general authentication failure notification.
4. Fixed to generate buzzer or sound when starting the intrusion alarm.
5. Problem where the response rate was slow when Arm / Disarm occurred.
6. Problem that can not connect with OSDP devices.

Firmware Version 1.0.0 (Build No.1.0.0_170904)

Release | 2017-09-04

Initial firmware developed.

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