BioStation 2a

Firmware Revision Notes

Version 1.1.1

suprema
SECURITY & BIOMETRICS

Firmware Version 1.1.1 (Build No. 1.1.1_240319)

Release: 2024-03-20

New Features and Improvements

1. Improved pop-up message displayed when searching with unenrolled information in the **Search User** feature.
2. Improved pop-up message displayed when **Timed Anti PassBack** occurs.
3. Improved duplicate fingerprint detection.
4. Improved fingerprint capture quality.

Bug Fixes

1. **Duress** fingerprint cannot be deleted when the user has two or fewer fingerprints, including **Duress** fingerprint stored in it. (Affects version: v1.0.0)
2. When there is no firmware file on the USB connected to the device, pressing the arrow keys/OK button continuously in the **File List** of **FW Upgrade** causes the device to restart. (Affects version: v1.0.0)
3. When network is repeatedly disconnected in an environment using a wireless network, RF card authentication will fail. (Affects version: v1.0.0)
4. The user ID stored as a 32-character string is truncated to only 31 characters in a specific event log. (Affects version: v1.0.0)
5. If the authentication message containing the user ID and Name exceeds a certain number of characters, the device will terminate abnormally. (Affects version: v1.0.0)
6. If the number of fingerprints stored in the device exceeds the 1:N maximum, the **Finger** in **User Usage** count is displayed abnormally. (Affects version: v1.0.0)
7. When using the BS2_GetDeviceCapabilities function in the SDK to get information supported by the device, the CustomClassicPlus and CustomDesFireEV1 are displayed as False though the device supports custom smart cards. (Affects version: v1.1.0)
8. When **Relay** is set in the device menu, the door does not open when authenticating with a mobile card + fingerprint. (Affects version: v1.0.0)

Firmware Version 1.1.0 (Build No. 1.1.0_240104)

New Features and Improvements

1. Supports **Custom Smart Card Layout**.
2. Applied Open SSL 3.0.10.
   - After upgrading the firmware to v1.1.0, it is not able to downgrade to an earlier version of the firmware.
3. Extended the user expiration period to a maximum of '**2037-12-31**'.
4. Improved pop-up message to be displayed when **Timed Anti PassBack** occurs.
5. Improved **Key Menu** screen UI.
6. Improved fingerprint algorithm.

Bug Fixes

1. When **Relay** is set in the device menu, the door does not open with a mobile card. (Affects version: v1.0.0)
2. The device abnormally restarts when changing the device's Network settings in BioStar 2. (Affects version: v1.0.0)
3. Cannot connect to a wireless network by manually entering the SSID in **Wireless LAN**. (Affects version: v1.0.0)
4. Authentication fails when authenticating with a DESFire AoC while the device is connected as a slave. (Affects version: v1.0.0)
5. When authenticating with ID + PIN on a device connected as a slave, the user ID is displayed but the user name is not displayed. (Affects version: v1.0.0)
6. The device restarts when formatting and reissuing the user's iClass AoC in BioStar 2. (Affects version: v1.0.0)
7. When pressing the OK button consecutively and then pressing the directional key, a beep sound plays, resulting in an authentication failure. (Affects version: v1.0.0)

Firmware Version 1.0.0 (Build No. 1.0.0_230830)

Initial Firmware Developed.