X-Station 2 Suprema CLUe

RELEASE NOTES

Version 1.2.1

English
EN 301.00.XS2SC

suprema
SECURITY & BIOMETRICS

CONTENTS

- Firmware Version 1.2.1
- Firmware Version 1.2.0
- Firmware Version 1.1.4
- Firmware Version 1.1.3
- Firmware Version 1.1.2
- Firmware Version 1.1.1
- Firmware Version 1.1.0
- Firmware Version 1.0.3
- Firmware Version 1.0.2
- Firmware Version 1.0.1
- Firmware Version 1.0.0

Firmware Version 1.2.1 (Build No. 1.2.1_20260125_000000CL)

Release | 2026-02-09

SUPREMA CLUe Firmware

New Features and Improvements

1. Improved display output stability.

Firmware Version 1.2.1 (Build No. 1.2.1_20250128_000000P)

Release | 2025-03-10

SUPREMA CLUe Firmware

New Features and Improvements

1. Supports CLUe server connection.
2. Supports CLUe screen mode.
3. Supports USB-type external QR scanner.
4. Supports synchronizing doors with the CLUe server.
5. Supports synchronizing users with the CLUe server.
6. Supports authentication via the CLUe server.
7. Supports remote door control through the CLUe server.
8. Supports reporting device event logs to the CLUe server.
9. Supports automatic time synchronization via the internet.
10. Supports CLUe fire zone.

Firmware Version 1.2.1 (Build No. 1.2.1_230418)

Release | 2023-04-26

> **Caution**
>
> XS2-APB, XS2-QAPB and XS2-OAPB types of X-Station 2 model support HID iClass card type through SE processor.
>
> For devices with the new SE processor, after upgrading the firmware to v1.1.4 or higher, you cannot downgrade to a lower version and downgrade the firmware customized in the lower version.
>
> Devices with existing SE processor can be downgraded to a lower version.
>
> For more information, check the serial number of the device and contact the Suprema.

New Features and Improvements

1. Separated event code for QR authentication.
2. Improved smartcard output byte order setting.
   - When using Wiegand or OSDP output, it is improved to be affected by the smartcard output byte order even when the Wiegand output information is as the user ID.

Bug Fixes

1. If the door uses the slave device relay, the door does not open even if authentication succeeds. Affects version: 1.0.0
2. Device restarts when camera QR authentication using a QR code with large data. Affects version: 1.2.0
3. Door Locked event occurs when input signal gets detected while configured to Arm/Disarm by input signal. Affects version: 1.0.0
4. Device does not recognize certain HID iCLASS Seos cards. Affects version: 1.0.0

Firmware Version 1.2.0 (Build No. 1.2.0_221209)

Release | 2022-12-13

> **Caution**
>
> XS2-APB, XS2-QAPB and XS2-OAPB types of X-Station 2 model support HID iClass card type through SE processor.
>
> For devices with the new SE processor, after upgrading the firmware to v1.1.4 or higher, you cannot downgrade to a lower version and downgrade the firmware customized in the lower version.
>
> Devices with existing SE processor can be downgraded to a lower version.
>
> For more information, check the serial number of the device and contact the Suprema.

New Features and Improvements

1. Supports activating licenses for use of specific features on devices.
2. Supports QR code recognition and authentication using the camera.
3. Supports setting the byte order for smart cards.
    - Supports setting the byte order of data to be output to Wiegand or OSDP.
4. Separated the log related to the cause of the door unlock.
    - Door open request by exit button
    - Door open request by operator
5. Added relay deactivation option for exit button input.
    - Added the option to set the door open request log to occur but the relay not to operate when the exit button is pressed.
6. Added the Use QR as card option.
    - Supports selecting whether to allow authentication when the QR data scanned by the device is the same as the card data issued to the user.
7. Improved to select and update only the desired information when updating user information.
8. Improved the font size of the toast message.

Bug Fixes

1. Global APB behavior for the same input was different depending on firmware version. Affects version: 1.0.0

2. When communicating with a 3rd party control panel via OSDP, the device does not respond to the Device Capabilities command. Affects version: 1.0.0
3. When communicating with a 3rd party control panel via OSDP, the device incorrectly responds as 'Inactive' when receiving the Input Status Request command while the input port is grounded. Affects version: 1.0.0
4. When communicating with a 3rd party control panel via OSDP, the device does not respond to the Output Status Report command while the relay reacts to it. Affects version: 1.0.0
5. When communicating with a 3rd party control panel via OSDP, the device incorrectly responds as 'Inactive' when receiving the Output Status Request command while the relay status is 'On'. Affects version: 1.0.0
6. Deleting all users included in an access group in BioStar 2 does not delete the access group from the device's user information. Affects version: 1.0.0
7. When using the card to authenticate to the device, the card that was normally authenticated fails intermittently. Affects version: 1.0.0
8. Improved the structure to prevent authentication fail caused by broken database or cache memory. Affects version: 1.0.0
9. User name, ID, and message overlap when applying **Device Private Msg.** using SDK. Affects version: 1.0.0

Firmware Version 1.1.4 (Build No. 1.1.4_220805)

Release | 2022-08-05

> **Caution**
> XS2-APB, XS2-QAPB and XS2-OAPB types of X-Station 2 model support HID iClass card type through SE processor.
>
> For devices with the new SE processor, after upgrading the firmware to v1.1.4 or higher, you cannot downgrade to a lower version and downgrade the firmware customized in the lower version.
>
> Devices with existing SE processor can be downgraded to a lower version.
>
> For more information, check the serial number of the device and contact the Suprema.

New Features and Improvements

1. Improved the OSDP ID to also be deleted when a security tamper occurs on the X-Station 2 connected as a slave device.
2. Supports the dual SE processor.

Bug Fixes

1. When the LAN cable connected to the device is disconnected and reconnected, it takes a long time for IP to be assigned by DHCP. Affects version: 1.0.0
2. Intermittent Mobile Card not authenticating. Affects version: 1.0.0
   - Improved BLE Micom Firmware and BLE Recovery RFCore.
3. Master device reboots when you modify the number of Floor in a Zone → Scheduled Unlock. Affects version: 1.0.0
4. The modification is not applied when setting the Intelligent Slave-related settings in the detailed information of registered devices in BioStar 2. Affects version: 1.1.2
   - Intelligent Slave: A function that enables 1:1: or 1:N: matching directly from the Suprema device and transmits the authentication result as OSDP card data to the third-party controller.
5. Recently issued iClass Seos card from HID not recognized by device. Affects version: 1.0.0
6. Device reboots when card is continuously authenticated. Affects version: 1.0.0

Firmware Version 1.1.3 (Build No. 1.1.3_220225)

Release | 2022-03-08

Bug Fixes

1. The QR/Barcode scan guidance message on screen operated differently from QR/Barcode Scan Timeout setting (XS2-QAPB, XS2-QDPB). Affects version: 1.0.0
2. When authenticated using fingerprints, the relay did not work as set in the device menu (XS2-OAPB, XS2-ODPB). Affects version: 1.1.0
3. When the dual authentication was set on the device, if the fake fingerprint was used in the second authentication, a screen unrelated to the situation was output after authentication failure (XS2-OAPB, XS2-ODPB). Affects version: 1.1.0
4. Image logs were taken abnormally in an environment where the device is exposed to strong light. Affects version: 1.0.0

Firmware Version 1.1.2 (Build No. 1.1.2_211220)

Release | 2021-12-22

New Features and Improvements

1. Improved QR/Barcode reading performance.
2. Improved the speed at which the device recognizes objects.
3. Supports LCDs from multiple manufactures.

Bug Fixes

1. The device rebooted abnormally when a user scanned a card on the device with several cards overlapped in a wallet or the like. Affects version: 1.0.0
2. When setting the elevator to the scheduled unlock zone and using the 'Started by User Authentication' option, the floor is activated normally when a user belonging to the access group authenticates, but the 'Floor released' logs are output. Affects version: 1.0.0
3. Improved to check for the duplication of cards registered with users when transmitting user data from the server to devices. Affects version: 1.0.0
4. The master device reboots if re-searching the slave device while RS-485 communication is operating normally. Affects version: 1.0.0
5. String resources were not updated when upgrading firmware. Affects version: 1.0.0
6. PIN authentication did not work properly when using Device Hashkey Management. Affects version: 1.0.0
7. When loading the logs for the user who entered the admin menu using the SDK, the user ID was not displayed. Affects version: 1.0.0
8. The device failed to recognize the iCLASS Seos card suddenly (XS2-APB, XS2-QAPB, XS2-OAPB). Affects version: 1.0.0
9. When authenticating on a device that has dual authentication set up, the authentication success sound is not output for the dual authentication result, and the home screen is maintained. Affects version: 1.0.0
10. Slave devices are disconnected when the master device is rebooted. Affects version: 1.0.0
11. Even though the device's language was set to Korean, some phrases were displayed on the screen in English. Affects version: 1.0.0
12. The device reboots abnormally when the user authenticates the card continuously. Affects version: 1.0.0

13. The 'Delete the Root Certificate' was not displayed when a user with the administrator level accessed the menu on the device where the certificate was stored. Affects version: 1.0.0

14. When initializing the master device with the 'Without Network' option, the RS-485 communication key was initialized and the slave device was disconnected. Affects version: 1.0.0

Firmware Version 1.1.1 (Build No. 1.1.1_211123)

Release | 2021-11-29

New Features and Improvements

1. Firmware updates used in production (not applicable to upgrade firmware used by customers).
    - Updated Boot binary to be compatible with the changed CPU.

Firmware Version 1.1.0 (Build No. 1.1.0_210813)

Release | 2021-08-13

New Features and Improvements

1. Added devices that support fingerprint
    - X-Station 2 Finger (XS2-ODPB, XS2-OAPB)
2. Intelligent Slave Support
    - Intelligent Slave: A function that enables 1:1: or 1:N: matching directly from the Suprema device and transmits the authentication result as OSDP card data to the third-party controller.
3. Improved manually turning the secure tamper on or off even when the hash key is set.

Bug Fixes

1. When setting an elevator as a schedule unlock zone, related logs were not displayed properly. Affects version: 1.0.0
2. The device was rebooted abnormally when selecting all data, exporting them via a USB flash drive, and then importing user data on the device storing maximum user and text log data (500,000 users, 5,000,000 text logs). Affects version: 1.0.0
3. When scanning a card with XPass D2 (XPD2-GDB, XPD2-MDB) connected as a slave, it did not fail immediately and waited for input after setting the Private Mode to Card + PIN. Affects version: 1.0.0
4. The firmware upgrade failed in the device connected as a slave. Affects version: 1.0.0
5. It was not able to enroll fingerprint in some devices that were connected as a slave. Affects version: 1.0.0
6. When the authentication mode was set to Card + Fingerprint in the slave device, the authentication failed. Affects version: 1.0.0
7. The RS-485 communication did not work properly when connecting the device to a third-party controller after activating the Secure Communication mode. Affects version: 1.0.0
8. The firmware upgrade from v1.0.3 or earlier to v1.1.0 failed. Affects version: 1.0.0
    - When upgrading the firmware from 1.0.3 or earlier to 1.1.0 or later, upgrade to 1.1.0 firmware first, and then upgrade to the later version firmware again.
9. The connection to the server was lost when accessing the Ethernet menu on the device. Affects version: 1.0.0
10. When accessing the menu through ID authentication on a device with T&A mode set and moving back to the home

screen, the T&A caption was not displayed. Affects version: 1.0.0

11. If some ports of the OM-120 connected as a slave are set as a door relay and the device is rebooted, the relay was operated abnormally. Affects version: 1.0.0

12. An abnormal IP address was set when using DHCP. Affects version: 1.0.0

13. When the connection to BioStar 2 was lost, an 'Upgrade Failed' message was displayed regardless of the situation. Affects version: 1.0.0

14. When searching event logs on the device, the date selection popup screen was still displayed after the Menu Timeout. Affects version: 1.0.0

Firmware Version 1.0.3 (Build No. 1.0.3_210705)

Release | 2021-07-12

Bug Fixes

1. It was able to configure the HID Prox card settings for devices (XS2-QDPB, XS2-DPB) that do not support the HID Prox card from the server. Affects version: 1.0.0
2. The QR/Barcode sensor did not work properly. Affects version: 1.0.2
3. The user ID was output differently from the registered user ID when authenticating a QR/Barcode set as a blacklist. Affects version: 1.0.2
4. The existing QR/Barcode authentication option settings were not maintained after restarting the device. Affects version: 1.0.2

Firmware Version 1.0.2 (Build No. 1.0.2_210614)

Release | 2021-06-18

Bug Fixes

1. Micom firmware upgrade failed intermittently. Affects version: 1.0.1

Firmware Version 1.0.1 (Build No. 1.0.1_210329)

Release | 2021-04-09

Bug Fix

Firmware Version 1.0.0 (Build No. 1.0.0_210311)

Release | 2021-03-15

Initial Firmware Developed.

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