

BioEntry W2

Firmware Revision Notes

Version 1.3.1

Firmware Version 1.3.1 (Build No. 1.3.1_190228)

Release: 2019-03-12

1. Bug Fix
 - 1.1. The device intermittently recognizes the HID Prox card as an EM card.

Firmware Version 1.3.0 (Build No. 1.3.0_181115)

Release: 2018-11-29

1. Important Bug Fix

- 1.1. A code is added to prevent the authentication fails because the cache memory is broken.
- 1.2. The device reboots when authenticating with the dual authentication.

1. New Features and Improvements

- 1.1. Improves the data protection.
 - Increase the items to encrypt the data.
 - Support to setting the period for storing the personal information.
- 1.2. Change the maximum value of the interval and width for the Wiegand Input.
- 1.3. Support to the number of users, fingerprints, faces, and cards in Manage Users in Device.
- 1.4. If the data transmission fails when communicating with OSDP, it is transmitted again.
- 1.5. The site key is initialized if a secure tamper event occurs.
- 1.6. If an administrator has registered, modified, or deleted a user, the event log shows whether the editing was done on the server or on the device.
- 1.7. Support to the creation of up to 2048 Access Levels and Access Groups.
- 1.8. Support to DESFire/DESFire V1 Advanced option.
- 1.9. Support to AES encryption type for DESFire card.
- 1.10. When using The bypass, The card ID is output as Wiegand even though a user authenticates with the AoC.

2. Bug Fix

- 2.1. If the user uses the BS_GetLogBlob command to get the door ID, the door ID is not output normally.
- 2.2. When communicating with OSDP, the LED color is displayed differently from the setting.
- 2.3. The device cannot read CSN because the card recognized as an NFC tag.
- 2.4. Modified the firmware of that slave device so that it cannot be upgraded when a device not supported by the master device is connected as a slave.
- 2.5. If the elevator is configured by connecting the OM-120 to the device, the relays operate differently from the previous status when the slave device is rebooted.
- 2.6. The alarm can be released in the Floors status after a fire alarm occurs when the elevator is configured as a Fire Alarm Zone.

Firmware Version 1.2.3 (Build No. 1.2.3_180907)

Release: 2018-09-20

1. New Features and Improvements
 - 1.1. Enhance the solution for the relay processing and restoration.

2. Bug Fix
 - 2.1. The device does not recognize the iCLASS card intermittently.
 - 2.2. Modified to exclude an incorrect input when the noise generated in the Wiegand input.

Firmware Version 1.2.2 (Build No. 1.2.2_180710)

Release: 2018-07-24

1. Bug Fix
 - 1.1. The device restarts when authentication fails.
 - 1.2. Modified to limit kernel downgrade based on the hardware version of the device.

Firmware Version 1.2.1 (Build No. 1.2.1_180523)

Release: 2018-06-20

1. New Features and Improvements
 - 1.1. In a device with an LCD, the user name is displayed on the LCD when authentication is successful even when connected in slave mode.
 - 1.2. Support for connecting new devices.
 - BioLite N2(BLN2-PAB), XPass D2(XPD2-GDB, XPD2-GKDB)

2. Bug Fix
 - 2.1. Problem that is affected by the schedule set on the device, even though the smart card is set to the bypass card.
 - 2.2. Issue where the bypass does not work when authentication with AoC in Wiegand output.
 - 2.3. Issue where event logs and real-time logs are not uploaded normally to BioStar 2.
 - 2.4. Problem that relay state is not maintained when reconnecting a device connected by RS-485.
 - 2.5. Issue in which the door relay status operates as On when the device is reconnected after starting and ending the Schedule Unlock with the door relay device disconnected.
 - 2.6. Problem that the time zone is not initialized even if the factory reset is performed while secure communication and data encryption key are in use.
 - 2.7. Issue where if the authentication is successful when the device set as door relay is disconnected, the relay will operate according to previous value after reconnection of the device.
 - 2.8. Problem that does not respond to the input ground.
 - 2.9. Modified to limit kernel downgrade based on the hardware version of the device.
 - 2.10. Issue where the device restarts when authenticating with an unregistered fingerprint.

Firmware Version 1.2.0 (Build No. 1.2.0_180317)

Release: 2018-03-26

1. New Features and Improvements
 - 1.1. Output signal setting for Wiegand reader control.
 - 1.2. Improves that invalid values can not be entered in the authentication mode, AuthTimeout, MsgTimeout, ScanTimeout, and MatchingTimeout.
 - 1.3. Support fingerprint enrollment on slave device.
 - 1.4. Support the intrusion alarm zone, Muster zone and the ethernet zone.
 - Ethernet zone: The zone master role is performed by a master device, not the BioStar 2 server, and establishes the zone using Ethernet communication between the devices.
 - 1.5. Performs the Access on Card (AoC) matching when connected to a master device as a slave device.
 - 1.6. Support SEOS smart cards (Elite Key).
 - 1.7. Improves performance of SEOS smart card RF reading.
 - 1.8. Improves user transfer speed.
 - 1.9. Improves log search within device.
 - 1.10. User Operator cannot change another user's Operator Level as Administrator.
 - 1.11. Support Reset without Network Settings.
 - 1.12. Support Daylight Saving Time setting.
 - 1.13. Improves Trigger & Action for duress finger.
 - 1.14. Support Private Authentication on AoC.
 - 1.15. Improves to handle the encryption key of the important information stored in database differently from server to server.
 - 1.16. Support One Device Mode(Legacy).
 - 1.17. Added a message asking whether to delete the fingerprint in the database after completing AoC issuance.
 - 1.18. Support the secure tamper.
 - 1.19. Support ISO14443A 10 Byte CSN.
 - 1.20. Support connecting with BioEntry R2, BioEntry P2, BioLite N2, XPass D2.
2. Bug Fix
 - 2.1. Problem trying to forward commands related to Config during connection after searching RS-485 slave device.
 - 2.2. Problem not working in 256 bit Wiegand format.
 - 2.3. Problem with reading mobile smart cards on Galaxy S4.
 - 2.4. Galaxy S5 NFC is recognized as a CSN card when authenticating with NFC and the authentication fails.
 - 2.5. Issue where the device can not read HID Prox II card.
 - 2.6. Issue where the fingerprint sensor does not work.

- 2.7. Fixed that Hard APB authentication failure notification is distinguished from general authentication failure notification.
- 2.8. Problem that the user ID type in the slave device can not be set in alphanumeric characters.
- 2.9. Issue that does not work when template size is set to 384 bytes when issuing NFC card.
- 2.10. iCLASS 2K card can not be issued as a smart card.

Firmware Version 1.1.5 (Build No. 1.1.5_171026)

Release: 2017-10-30

1. New Features and Improvements
 - 1.1. Improves Live Finger Detection (LFD) algorithm and changes the calibration method for HW V1.2.0.

Firmware Version 1.1.4 (Build No. 1.1.4_170830)

Release: 2017-09-06

1. New Features and Improvements
 - 1.1. Improved Live Finger Detection(LFD) performance

2. Bug Fix
 - 2.1. Issue where the device is reset when the fingerprint is authenticated.

Firmware Version 1.1.3 (Build No. 1.1.3_170717)

Release: 2017-08-07

1. New Features and Improvements
 - 1.1. Support 8GB eMMC.
 - 1.2. Performs the validation when invalid values are sent to the device.
 - 1.3. Support SEOS smart cards.

2. Bug Fix
 - 2.1. Issue where the device sends an abnormal amount of logs to BioStar.

Firmware Version 1.1.2 (Build No. 1.1.2_170213)

Release: 2017-02-27

1. New Features and Improvements
 - 1.1. Add Lift I/O MFG Command

2. Bug Fix
 - 2.1. Issue where the slave device's time zone is changes when the device synchronization is perfomed.
 - 2.2. Wiegand Output malfunctions when fingerprint authentication is completed after authenticating with the unregistered card
 - 2.3. Slow-downs the performance.

Firmware Version 1.1.1 (Build No. 1.1.1_161213)

Release: 2016-12-20

1. Bug Fix
 - 1.1. Issue that cannot detect the device with UDP in BioStar 1.92.

Firmware Version 1.1.0 (Build No. 1.1.0_161201)

Release: 2016-12-13

1. New Features and Improvements
 - 1.1. Support for the secure communication (TLS) with BioStar 2
 - 1.2. Support for iCLASS SEOS card
 - 1.3. Support for the 1.x Template on Card
 - 1.4. Support for the daylight saving time
 - 1.5. OP6 sensor support
 - 1.6. Improved fingerprint algorithm
 - 1.7. Improved LFD calibration
 - 1.8. Support for alphanumeric ID
 - 1.9. Improved RF card specification for BEW2-OHP
 - Before: HID Prox
 - After: HID Prox, EM, MIFARE

Firmware Version 1.0.1 (Build No. 1.0.1_160921)

Release: 2016-09-22

1. Bug Fix
 - 1.1. Memory leak issue when a T&A device is registered as a slave device and users authenticate after pressing a T&A key.

Firmware Version 1.0.0 (Build No.1.0.0_160531)

Release: 2016-05-31

1. Initial firmware developed.



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