

Version: 04.29.18.10 **LATEST**
Web Files: 04.24.17.10 **LATEST**

Date: 16 Oct 2018

New Features

1. None.

Bugs Fixed

1. Antipassback lockout in P2P mode.

Modification

1. Dual Destination Sending (DDS XML) with heartbeat.

Compatibility List

1. This firmware require to be use with P1 software version P1 3.14e.17.09 onward.
2. To enable heartbeat in DDS, user is required to use P1 version 3.14c.17.03(EP.CT.1.00.18.03).
3. The Redundant Server function only can be used with P1 that also support this feature.
4. For controller with current version below 4.23.17.09, please upgrade using P1 software. This apply to model:-
 - a. S3100/N5100(obsolete)
 - b. S3150/N5150
 - c. S3200/N5200
 - d. S3400/N5400
5. This firmware is only compatible with smart reader SR200 version SR200_EP_S1_01_05_1709_X100 and above.
6. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.28.18.06

Web Files: 04.24.17.10

Date: 20 June 2018

New Features

1. None.

Bugs Fixed

1. Bug fix on tamper detection.

Modification

1. None.

Compatibility List

1. This firmware require to be use with P1 software version P1 3.14e.17.09 onward.
2. The Redundant Server function only can be used with P1 that also support this feature.
3. For controller with current version below 4.23.17.09, please upgrade using P1 software. This apply to model:-
 - a. S3100/N5100(obsolete)
 - b. S3150/N5150
 - c. S3200/N5200
 - d. S3400/N5400
4. This firmware is only compatible with smart reader SR200 version SR200_EP_S1_01_05_1709_X100 and above.
5. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.27.17.11

Web Files: 04.24.17.10

Date: 22 Nov 2017

New Features

1. Support SR100.

Bugs Fixed

1. None.

Modification

1. Improve uniqueness of Master key generation for secure channel communication.
2. Compatible to HID reader that support OSDP:-
 - a. 921NWPNEK0047M (with keypad)
 - b. 900NWPNEK0047N (without keypad)

Compatibility List

1. This firmware require to be use with P1 software version P1 3.14e.17.09 onward.
2. The Redundant Server function only can be used with P1 that also support this feature.
3. For controller with current version below 4.23.17.09, please upgrade using P1 software. This apply to model:-
 - a. S3100/N5100(obsolete)
 - b. S3150/N5150
 - c. S3200/N5200
 - d. S3400/N5400
4. This firmware is only compatible with smart reader SR200 version SR200_EP_S1_01_05_1709_X100 and above.
5. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.26.17.10

Web Files: 04.24.17.10

Date: 19 Oct 2017

New Features

1. None.

Bugs Fixed

1. Fixed firmware upgrade does not perform controller reset.
2. Synchronize buzzer and LED in AC failed process.
3. Fixed transaction code for Invalid Card Bit Format("Hu") should update with reader number instead of door number
4. Fixed AES key default process, ensure all AES parameter is default with 0xff or default key.

Modification

1. Removed debug message for Secure Channel investigation.
2. Removed serial buffer overrun processing.

Compatibility List

1. This firmware require to be use with P1 software version P1 3.14e.17.09 onward.
2. The Redundant Server function only can be used with P1 that also support this feature.
3. For controller with current version below 4.23.17.09, please upgrade using P1 software.
4. This firmware is only compatible with smart reader SR200 version SR200_EP_S1_01_05_1709_X100 and above.
5. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.25.17.11

Web Files: 04.24.17.10

Date: 10 Oct 2017

New Features

1. None.

Bugs Fixed

1. Fixed transaction:-
 - A. The Exit Location field for Wrong Card Pin is using dummy value.
 - B. The card number field for Tamper Lockdown is using reader number value.
2. Fixed 6 Digit and 10 Digit Wiegand Setting for:-
 - A. ABA Track II
 - B. Wiegand 64

Modification

1. None.

Compatibility List

1. This firmware require to be use with P1 software version P1 3.14e.17.09 onward.
2. The Redundant Server function only can be used with P1 that also support this feature.
3. For controller with current version below 4.23.17.09, please upgrade using P1 software.
4. This firmware is only compatible with smart reader SR200 version SR200_EP_S1_01_05_1709_X100 and above.
5. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.24.17.10

Web Files: 04.24.17.10

Date: 09 Oct 2017

New Features

1. None.

Bugs Fixed

1. Key Card+Pin in 6 digit database, number enter on reader appear difference number on P1.
2. After access limit full, if flash valid card after reset controller will lead to valid card entry and relay trigger.

Modification

1. Webpage GUI improvement.

Compatibility List

1. This firmware require to be use with P1 software version P1 3.14e.17.09 onward.
2. The Redundant Server function only can be used with P1 that also support this feature.
3. For controller with current version below 4.23.17.09, please upgrade using P1 software.
4. This firmware is only compatible with smart reader SR200 version SR200_EP_S1_01_05_1709_X100 and above.
5. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.23.17.09

Web Files: 04.23.17.09

Date: 21 Sept 2017

New Features

1. Support smart reader (SR200)
2. Support smart reader (SR200) with secure channel.

Bugs Fixed

1. None.

Modification

1. None.

Compatibility List

6. This firmware require to be use with P1 software version P1 3.14e.17.09 onward.
7. The Redundant Server function only can be used with P1 that also support this feature.
8. For controller with current version below 4.23.17.09, please upgrade using P1 software.
9. This firmware is only compatible with smart reader SR200 version SR200_EP_S1_01_05_1709_X100 and above.
10. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.22.17.05

Web Files: 04.21.17.04

Date: 28 May 2017

New Features

1. Support smart reader (SR200)

Bugs Fixed

1. None.

Modification

1. None.

Compatibility List

1. This firmware require to be use with P1 software version P1 3.14d.17.05 onward.
2. The Redundant Server function only can be used with P1 that also support this feature.
3. Web upgrade can only apply to current controller with version 4.13.15.03 and above.
4. For controller with current version below 4.13.15.03, please upgrade using P1 software.
5. This firmware is only compatible with smart reader SR200 version SR200_EP_S1_01_03_1705_X100.
6. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.21.17.04

Web Files: 04.21.17.04

Date: 02 May 2017

New Features

1. None

Bugs Fixed

1. Fix card data structure corrupt on specific scenario
 - Install big card number
 - Install small card number
 - Delete small card number
 - Card data corrupt
2. Separate AES parameter from network setting to prevent IP set to default issue happening
3. Fix Web firmware upgrade failed on Mozilla Firefox Browser Version 53

Modification

1. None

Compatibility List

1. This firmware require to be use with P1 software version P1 3.14b.16.11 onward.
2. The Redundant Server function only can be used with P1 that also support this feature.
3. Web upgrade can only apply to current controller with version 4.13.15.03 and above.
4. For controller with current version below 4.13.15.03, please upgrade using P1 software.
5. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.20.16.12
Web Files: 04.14.15.04

Date: 23 Nov 2016

New Features

1. None

Bugs Fixed

1. None

Modification

1. XML tag of <ReaderNo> change to <DoorNo>

Compatibility List

1. This firmware require to be use with P1 software version P1 3.14b.16.11 onward.
2. The Redundant Server function only can be used with P1 that also support this feature.
3. Web upgrade can only apply to current controller with version 4.13.15.03 and above.
4. For controller with current version below 4.13.15.03, please upgrade using P1 software.
5. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.19.16.11

Web Files: 04.14.15.04

Date: 21 Nov 2016

New Features

1. Add in Embedded xSocket Support Dahua System

Bugs Fixed

1. None

Modification

1. None

Compatibility List

1. This firmware require to be use with P1 software version P1 3.14b.16.11 onward.
2. The Redundant Server function only can be used with P1 that also support this feature.
3. Web upgrade can only apply to current controller with version 4.13.15.03 and above.
4. For controller with current version below 4.13.15.03, please upgrade using P1 software.
5. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.18.16.10

Web Files: 04.14.15.04

Date: 25 October 2016

New Features

1. Supports P2P Nested CP

Bugs Fixed

1. P2P update error upon clear card DB performed.
2. P2P antipassback operational error when zone ID being set to more than 10.

Modification

1. None

Compatibility List

1. This firmware require to be use with P1 software version P1 3.12.15.11 (RC.27y) onward.
2. The Redundant Server function only can be used with P1 that also support this feature.
3. Web upgrade can only apply to current controller with version 4.13.15.03 and above.
4. For controller with current version below 4.13.15.03, please upgrade using P1 software.
5. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.17.15.11

Web Files: 04.14.15.04

Date: 15 Dec 2015

New Features

1. Support 9999 seconds door open time.

Bugs Fixed

1. None

Modification

1. None

Compatibility List

1. This firmware require to be use with P1 software version P1 3.12.15.11 (RC.27y) onward.
2. The Redundant Server function only can be used with P1 that also support this feature.
3. Web upgrade can only apply to current controller with version 4.13.15.03 and above.
4. For controller with current version below 4.13.15.03, please upgrade using P1 software.
5. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.16.15.06

Web Files: 04.14.15.04

Date: 11 June 2015

New Features

1. Introduce new model S3150 and N5150 which inherits feature from S3100 and N5100 respectively but have maximum card storage up to 5000 cards.

Bugs Fixed

1. None

Modification

1. Upon firmware upgrade, controller automatically ports the old network setting to current network setting Server Node 1. No longer require factory default and setup network manually after firmware upgrade.
2. Improved Manufacturer Information Recovery Process

Compatibility List

1. This firmware require to be use with P1 software version P1 3.12.15.03 (RC.27x) onward.
2. The Redundant Server function only can be used with P1 that also support this feature.
3. Web upgrade can only apply to current controller with version 4.13.15.03 and above.
4. For controller with current version below 4.13.15.03, please upgrade using P1 software.
5. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.15.15.05

Web Files: 04.14.15.04

Date: 28 May 2015

New Features

1. Support ABA Track II Reader
 - a. Reader setting can be set in P1 Reader Setting.

Bugs Fixed

1. None

Modification

1. None

Compatibility List

1. This firmware require to be use with P1 software version P1 3.12.15.03 (RC.27w) onward.
2. The Redundant Server function only can be used with P1 that also support this feature.
3. Web upgrade can only apply to current controller with version 4.13.15.03 and above.
4. For controller with current version below 4.13.15.03, please upgrade using P1 software.
5. **ALERT:** After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.14.15.04

Web Files: 04.14.15.04

Date: 23 April 2015

New Features

1. None

Bugs Fixed

1. P2P AntiPassback not working 6 Digit System
2. Fixes On Version 4.13.15.03
 - a. After perform Factory Default, all controller nodes' Server IP set to 0.0.0.0. (Should be 192.168.1.250 for active node)
 - b. Active Node showing controller down at certain network setting.
 - i. The redundant node set as hostname mode
 - ii. Hostname set on redundant node is invalid
 - c. When the value on the Web Page Listen Port changed and clicked save changes, the value revert to previous value but the latest changes is saved into controller.
 - d. When the web page timer pop out, the page sometimes will force user to log out even the user click "OK".
 - e. Reset on redundant node will lead to any changes on active node also treated as reset active node.
 - f. Apply Setting without perform any changes leads to unable to login to web page.
 - g. When web page reached time out and auto log out, the changes made during this session will bring to next session.
 - h. Web Page Version Number on login page not correct.

Modification

1. None

Compatibility List

1. This firmware require to be use with P1 software version 3.11a.11.01 onward
2. The Redundant Server function only can be used with P1 that also support this feature.
3. Web upgrade can only apply to current controller with version 4.13.15.03 and above.
4. For controller with current version below 4.13.15.03, please upgrade using P1 software.
5. After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.13.15.03

Web Files: .04.13.15.02

Date: Not release, internal evaluation

New Features

1. Support 2 Server Nodes (one active and one redundant)

Bugs Fixed

1. DNS resolutions not working after DNS resolve failed happen for some time.
2. Fire Release will trigger when sending input port new setting command that contradict with current setting.

Modification

1. Web Server Processing to improve HTML access security.

Compatibility List

1. This firmware require to be use with P1 software version 3.11a.11.01 onward
2. The Redundant Server function only can be used with P1 that also support this feature.
3. For upgrade of controller firmware, please upgrade using P1 software.
4. After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.12.14.11

Web Files: 04.10.14.11

Date: 24 November 2014

New Features

1. None

Bugs Fixed

1. After valid card flash, there is certain event trigger settings will cause the next card flash become unknown card number.

Modification

1. None

Compatibility List

1. This firmware require to be use with P1 software version 3.11a.11.01 onward
2. Web upgrade can only apply to current controller with version 4.00.10.11 and above.
3. For controller with current version below 4.00.10.11, please upgrade using P1 software.
4. After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.11.14.11

Web Files: 04.10.14.11

Date: 10 November 2014

New Features

1. None

Bugs Fixed

1. Global Antipassback will not update peer on the card location.
2. Timing of alarm is half of the setting.
3. Event Relay Trigger can turn on but cannot turn off.
4. Controller did not beep when door inhibited.
5. Message sequence of alarm reverse: "(AC) Alarm IS Triggered" follow by (Ae) Alarm Relay Is Triggered".

Modification

1. None

Compatibility List

1. This firmware require to be use with P1 software version 3.11a.11.01 onward
2. Web upgrade can only apply to current controller with version 4.00.10.11 and above.
3. For controller with current version below 4.00.10.11, please upgrade using P1 software.
4. After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.10.14.05

Web Files: 04.09.14.05

Date: 10 June 2014

New Features

1. Support local pin entry for AGK14-keypad. By following sequence: '0' '#' '5-digit pin' '#'

Bugs Fixed

1. After AC power recovery, controller will sound board boot up beep sound.
2. "Validation Fail" when card flash, after controller perform cold start.
3. Analog status showing normal when point is shorted.

Modification

1. Improve on button responds
2. In WebPages, user password is only allowed for alphanumeric.

Compatibility List

1. This firmware require to be use with P1 software version 3.11a.11.01 onward
2. Web upgrade can only apply to current controller with version 4.00.10.11 and above.
3. For controller with current version below 4.00.10.11, please upgrade using P1 software.
4. After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 04.09.xx.xx

Date: Not release, internal evaluation

New Features

1. None

Bugs Fixed

1. None

Modification

1. None

Compatibility List

1. This firmware require to be use with P1 software version 3.11a.11.01 onward
2. Web upgrade can only apply to current controller with version 4.00.10.11 and above.
3. For controller with current version below 4.00.10.11, please upgrade using P1 software.
4. After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

S3100/N5100 Board

Version: 04.08.12.02

Date: 12th March 2012

New Features

1. None

Bugs Fixed

1. When access limit is use with interlock feature, access count will increase regardless of the state of interlock (e.g. when a valid entry is register, access count will increase, even though interlock prevent the door from opening, causing incorrect count happen)

Modification

1. None

Compatibility List

1. This firmware require to be use with P1 software version 3.11a.11.01 onward
2. Web upgrade can only apply to current controller with version 4.00.10.11 and above.
3. For controller with current version below 4.00.10.11, please upgrade using P1 software.
4. After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

S3100/N5100 Board

Version: 04.07.11.12

Date: 7th December 2011

New Features

1. None

Bugs Fixed

1. None

Modification

1. To cater for certain router/switch that split big data packet into a few smaller ones, causing a symptom when sending network parameter from P1 to controller always fail.
2. Improve the process during firmware upgrade using web pages

Compatibility List

1. This firmware require to be use with P1 software version 3.11a.11.01 onward
2. Web upgrade can only apply to current controller with version 4.00.10.11 and above.
3. For controller with current version below 4.00.10.11, please upgrade using P1 software.
4. After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

S3100/N5100 Board

Version: 04.05.11.06 (Phase 4)

Date: 24th June 2011

New Features

1. None

Bugs Fixed

1. With setting Card+Pin Timezone activated and Local Pin Timezone de-activated, upon keypad key entry without flash card showing 'Wrong Time Zone' instead of 'Wrong Local Pin'

Modification

1. None

Compatibility List

1. This firmware require to be use with P1 software version 3.11a.11.01 onward
2. Web upgrade can only apply to current controller with version 4.00.10.11 and above.
3. For controller with current version below 4.00.10.11, please upgrade using P1 software.
4. After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

S3100/N5100 Board

Version: 04.04.11.02 (Phase 4)

Date: 17th February 2011

New Features

1. None

Bugs Fixed

1. Wrong time zone entry/exit reader buzzer and LED no action. (Buzzer/LED should beep/blink 4 times)
2. Wrong time zone transaction always ties to door 1. (Base on reader, wrong time zone will tie to the correct door)
3. Buzzer/LED single beep/blink (Buzzer/LED should be 4 beep/blink) for the following:
 - a. Card expired
 - b. Antipassback violation
 - c. Antipassback lockout
 - d. Card lockout
4. In security low setting, door is not release when exit in event like antipassback violation etc. (Door always release upon exit)
5. When access limit is full, software send a number for counter, it will not clear the limit full state even the counter already set to the desired number

Modification

1. Production testing code improvement.

Compatibility List

1. This firmware require to be use with P1 software version 3.11a.11.01 onward
2. Web upgrade can only apply to current controller with version 4.00.10.11 and above.
3. For controller with current version below 4.00.10.11, please upgrade using P1 software.
4. After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

S3100/N5100 Board

Version: 04.03.11.02 (Phase 4)

Date: 1st February 2011

New Features

1. None

Bugs Fixed

1. None

Modification

1. Untie 'Use Loop Detector' feature with 'Enable Access Limit' feature. Thus, user can now enable 'Use Loop Detector' feature without enabling 'Enable Access Limit' feature.

Compatibility List

1. This firmware require to be use with P1 software version 3.11a.11.01 onward
2. Web upgrade can only apply to current controller with version 4.00.10.11 and above.
3. For controller with current version below 4.00.10.11, please upgrade using P1 software.
4. After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

S3100/N5100 Board

Version: 04.02.10.12 (Phase 4)

Version: 03.04.10.11 (Phase 3)

Date: 14 December 2010

New Features

1. None

Bugs Fixed

1. Phase 4 (04.02.10.12). Solve for cross board interlocking is not working.

Modification

1. None

Compatibility List

Version: 04.02.10.12 (Phase 4)

1. This firmware require to be use with P1 software version 3.10.10.11 onward
2. Web upgrade can only apply to current controller with version 4.00.10.11 and above.
3. For controller with current version below 4.00.10.11, please upgrade using P1 software.
4. After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

Version: 03.04.10.11 (Phase 3)

1. This firmware require to be use with P1 software version 3.08.10.08 onward
2. Web upgrade can only apply to current controller with version 3.00.10.08 and above.
3. For controller with current version below 3.00.10.08, please upgrade using P1 software.
4. After perform firmware upgrade, user must perform a factory default to properly setup the controller to initial state.

S3100/N5100 Board

Version: 04.01.10.11 (Phase 4)

Version: 03.04.10.11 (Phase 3)

Date: 09 December 2010

New Features

1. None

Bugs Fixed

1. Solve for when HCB is configure with DNS host name, if the HCB router to internet is reset several time, HCB will no longer active connect to P1.
2. Solve for when HCB is configure with DNS host name, if the HCB failed to resolve DNS host name to IP, firmware will close the HCB listen port, thus causing P1 sending command failed after HCB manage to resolve DNS host name.

Modification

1. None

Compatibility List

1. None

S3100/N5100 Board (Phase 3)

Version: 03.04.10.11

Date: 01 December 2010

New Features

1. None

Bugs Fixed

1. Solve for when HCB is configure with DNS host name, if the HCB router to internet is reset several time, HCB will no longer active connect to P1.
2. Solve for when HCB is configure with DNS host name, if the HCB failed to resolve DNS host name to IP, firmware will close the HCB listen port, thus causing P1 sending command failed after HCB manage to resolve DNS host name.

Modification

1. None

Compatibility List

1. None

S3100/N5100 Board

Version: 4.00.10.11

Date: 16 November 2010

New Features

1. Multi-set of multi-bit configuration wiegand format
2. Support for configurable odd/even parity checking in wiegand format
3. User configurable input delay
4. Interlocking enable/disable by door
5. Option for relay turn off following lock release time or door open time during valid card entry/exit

Bugs Fixed

1. None

Modification

1. Shorten the firmware version name
2. Enable concurrent working of local pin and Keyed Card+Pin for keypad type AGK 00, 09, 11, 20. User is required to key in '#' prior keying Card+Pin.
3. Enable door force open to trigger alarm
4. Enable audio indicator on reader during active download
5. Door sensor delay time to overcome door force open event when using magnetic lock with build-in sensor
6. In web pages, change focus to Login button as soon as user key in 6digit password.
Web version change to 4.00.10.11

Compatibility List

1. This firmware require to be use with P1 software version 3.10.10.11 onward

S3100/N5100 Board

Version: 3.03.10.10[3.03.10.10]

Date: 26 October 2010

New Features

1. None

Bugs Fixed

1. Solve controller time will revert to 2001 January 1st when the following condition has been meet :
 - a. Current controller date is larger than 19th or controller month is larger than September.
 - b. A controller reset happen.
2. Solve for N5100 controller when controller is configure server using host name, when controller internet connection is disconnect and connect a few times, controller will not be able to communicate with server. (P1 server will saw a controller down)

Modification

1. None

Compatibility List

1. This firmware require to be use with P1 software version 3.08.10.08 onward

S3100/N5100 Board

Version: 3.02.10.09[3.02.10.09]

Date: 21 October 2010

New Features

1. None

Bugs Fixed

1. None

Modification

1. Put a short delay in replying to solve for PCC1 send command fail.

Compatibility List

1. This firmware require to be use with P1 software version 3.08.10.08 onward

S3100/N5100 Board

Version: 3.01.10.09[3.01.10.09]

Date: Never Release Officially

New Features

1. None

Bugs Fixed

1. None

Modification

1. Controller ignore weigand input if incoming total weigand bit is not match with controller setting. Controller will no longer log transaction (Incorrect Card Format) when incoming total weigand bit is not match.

Compatibility List

1. This firmware require to be use with P1 software version 3.08.10.08 onward

S3100/N5100 Board

Version: 3.00.10.08[3.00.10.08]

Date: 13 August 2010

New Features

1. 128-bit AES encryption (N-Series)
2. User configurable multi-bit wiegand card format
3. Support for integrated HID keypad format (AGK 00/09/10/11/14/19/20)
4. Support key-in card + key-in pin for door access
5. 10 sets facility/site code

Bugs Fixed

1. None

Modification

1. Improve on controller web handling
2. Web version update to 3.00.10.08
3. Support for 64Mb internal storage
 - a. Firmware will be differentiate from standard with '64Mb' as below:
 - 3.00.10.08[03.00.10.08]-xx00-64Mb

Compatibility List

1. This firmware require to be use with P1 software version 3.08.10.08 onward

S3100/N5100 Board

Version: 1.05.10.06[1.05.10.06]

Date: 21 June 2010

New Features

1. Support for controller to controller interlocking (maximum of 2 controller can be link together for interlocking)

Bugs Fixed

1. None

Modification

1. None

Compatibility List

1. This firmware require to be use with P1 software version 3.05.10.06 onward

S3100/N5100 Board

Version: 1.04.10.05[1.04.10.05]

Date: 24 May 2010

New Features

1. None

Bugs Fixed

1. Solve problem on Autolock release Timezone: Door is not security ON automatically after Auto Lock Release Timezone changed from 1 to 0.
2. Solve problem on Maintenance card: If tamper is triggered, then use maintenance card or P1 to enter maintenance mode and then exit maintenance mode again, tamper will become un-triggered (suppose will trigger)
3. Solve problem on Fire alarm: If Relay is set to Door + Fire, and already triggered, it will become un-triggered after board reset (suppose will trigger)
4. Solve problem on Car park mode: If a card is flashed while loop sensor is not detected, this card is considered “not in” yet. However, after loop sensor is detected, this card will get antipassback violation on next flash.
5. Solve problem on Battery AC fail: If door is set to Security Off, then AC fail occur, then AC Recover, door will become Security On.
6. Solve General Purpose IO problem: When GP Timezone is activated and GP Input is set, Relay will be triggered after board reset even though GP Input is normal.

Modification

1. None

Compatibility List

1. None

S3100/N5100 Board

Version: 1.03.10.05[1.03.10.05]

Date: 13 May 2010

New Features

1. None

Bugs Fixed

1. None

Modification

1. Enable on board buzzer invalid sound beeping (4 beeps) for invalid card process (e.g. unknown card, wrong time zone).
2. Change tamper buzzer sound to below sequence:
5 beep → stop → 5 beep → stop
3. Change AC fail buzzer sound to below sequence:
2 beep → stop → 2 beep → stop ...
4. Add protection for manufacturer information.
5. Reserved internal wiegand buffer from 40bits to 128bits.

Compatibility List

1. None

S3100/N5100 Board

Version: 1.02.10.04[1.02.10.04]

Date: 22 April 2010

New Features

1. None

Bugs Fixed

1. Solve problem push button not working when supply voltage drop below 9V
2. Solve problem on Relay will not trigger when supply voltage drop below 8V

Modification

1. Include standard controller power up beep (1 long beep and 3 short beep)
2. Enable TX2 LED blinking when communication with server – only for network series
3. Cold-start default reader type change from 32bit to 26bit
4. Transaction feedback to server when controller receive incorrect data from reader
5. System cut-off point change from 7.6V to 8.4V (approximate)
6. During cold-start/factory default, all relay will not be turn on

Compatibility List

1. None

S3100/N5100 Board

Version: 1.01.10.04[1.01.10.04]

Date: 16 April 2010

New Features

1. None

Bugs Fixed

1. When fire trigger, free relay that configure as fire trigger does not trigger.
2. Include a board reset command to solve following:
 - a. When changing input type (open trigger/close trigger) or input function (e.g alarm, GP, Fire) or relay function
 - b. Software will send reset command to controller whenever sending IO settings. Controller will reset whenever receiving IO settings in order to re-initialize all the internal settings.

Modification

1. When battery cut-off, all doors relay will be release.

Compatibility List

1. None

S3100/N5100 Board

Version: 1.00.10.03[1.00.10.03]

Date: 1 April 2010

New Features

1. First release for this model. The same firmware will be supporting both S3100 and N5100 model.

Bugs Fixed

1. None

Modification

1. None

Compatibility List

1. None