

## **N-Mini2 Board**

Version : NMini2.EP.S1.1.24.18.06 **LATEST**

Web: EP.S1.01.24.18.06 & EP.S1.01.24.18.06 \_64MB\_1K64 **LATEST**

Font: 1.03.15.10 **LATEST**

DRB: 05

Date: 21 June 2018

### **New Features**

1. None

### **Bugs Fixed**

1. Capsense not functioning.
2. Network loopback lead to P1 shows controller down.

### **Modification**

1. Allow firmware upgrade using latest version of Firefox (v60.0.2).
2. Webpage version using black color. Easy for production reference.

### **Compatibility List**

1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - a) Require **P1 3.12.15.11 (RC.27y)** and above.
3. **ALERT:** Current firmware MUST be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)
4. Note that Web Files **EP.S1.01.22.15.10** should only applicable on **NMini2 264B Flash** only.
5. Note that Web Files **EP.S1.01.22.15.10\_64MB\_1K64** should applicable on **NMini2 64MB Flash** and **NMini2 1K64 Flash**.

## **N-Mini2 Board**

Version : NMini2.EP.S1.1.23.16.09

Web: EP.S1.01.22.15.10 & EP.S1.01.22.15.10 \_64MB\_1K64

Font: 1.03.15.10

DRB: 05

Date: 23 September 2015

### **New Features**

1. None

### **Bugs Fixed**

1. Fixed LCD Init Issue (Fix on Mifare Model only)

### **Modification**

1. None

### **Compatibility List**

1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - b) Require P1 3.12.15.11 (RC.27y) and above.**
3. **ALERT:** Current firmware MUST be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)
4. Note that Web Files **EP.S1.01.22.15.10** should only applicable on **NMini2 264B Flash** only.
5. Note that Web Files **EP.S1.01.22.15.10\_64MB\_1K64** should applicable on **NMini2 64MB Flash** and **NMini2 1K64 Flash**.

## **N-Mini2 Board**

Version : NMini2.EP.S1.1.22.15.11

Web: EP.S1.01.22.15.10 & EP.S1.01.22.15.10 \_64MB\_1K64

Font: 1.03.15.10

DRB: 05

Date: 15 December 2015

New Features
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1. Support 9999 seconds door open time.

Bugs Fixed
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1. None

Modification
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1. None

Compatibility List
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1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - c) Require **P1 3.12.15.11 (RC.27y)** and above.
3. **ALERT:** Current firmware MUST be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)
4. Note that Web Files **EP.S1.01.22.15.10** should only applicable on **NMini2 264B Flash** only.
5. Note that Web Files **EP.S1.01.22.15.10\_64MB\_1K64** should applicable on **NMini2 64MB Flash** and **NMini2 1K64 Flash**.

## **N-Mini2 Board**

Version : NMini2.EP.S1.1.21.15.06

Web: EP.S1.01.22.15.10 & EP.S1.01.22.15.10 \_64MB\_1K64

Font: 1.03.15.10

DRB: 05

Date: 26 October 2015

New Features
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1. None

Bugs Fixed
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1. None

Modification
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1. Modified default Company Logo Icon in the Font Icon Pack to full black image.

Compatibility List
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1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version  
**d) Require P1 3.12.15.03 (RC.27w) and above.**
3. **ALERT:** Current firmware MUST be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)
4. Note that Web Files **EP.S1.01.22.15.10** should only applicable on **NMini2 264B Flash** only.
5. Note that Web Files **EP.S1.01.22.15.10\_64MB\_1K64** should applicable on **NMini2 64MB Flash** and **NMini2 1K64 Flash**.

## **N-Mini2 Board**

Version : NMini2.EP.S1.1.21.15.06

Web: EP.S1.01.21.15.06

Font: 1.02.12.07

DRB: 05

Date: 08 June 2015

New Features
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1. Support New Flash Model NMini2 264B

Bugs Fixed
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1. None

Modification
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1. None

Compatibility List
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1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - e) Require **P1 3.12.15.03 (RC.27w)** and above.
3. **ALERT:** Current firmware MUST be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)

## **N-Mini2 Board**

Version : NMini2.EP.S1.1.20.15.05

Web: EP.S1.01.19.15.05

Font: 1.02.12.07

DRB: 05

Date: 20 May 2015

### **New Features**

1. None

### **Bugs Fixed**

1. Improved process during production.

### **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.

### **Compatibility List**

1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - a) Require **P1 3.12.15.03 (RC.27v)** and above.
3. **ALERT:** Current firmware MUST be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)

## **N-Mini2 Board**

Version : NMini2.EP.S1.1.19.15.05

Web: EP.S1.01.19.15.05

Font: 1.02.12.07

DRB: 05

Date: 13 May 2015

### **New Features**

1. None

### **Bugs Fixed**

1. None

### **Modification**

1. Improved user experience of Graphical User Interface (GUI) on web page.

### **Compatibility List**

1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - a) Require **P1 3.12.15.03 (RC.27v)** and above.
3. **ALERT:** Current firmware MUST be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)
4. **ALERT:** It is mandatory to perform upgrade using p1 upgrade file. Factory default is required before reconfigure the controller.

Version : NMini2.EP.S1.1.18.15.03

Web: EP.S1.01.18.15.03

Font: 1.02.12.07

DRB: 05

Date: 27 April 2015

**ALERT:** This version of firmware is for internal use only.

New Features
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1. Support two redundant servers.
2. Key-press disables.

Bugs Fixed
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1. Fixed on Nmini 2 keypad display:-
  - a. Message
    - i. "Invalid Card" not shown when door force open a valid card was flashed follow by an invalid card.
    - ii. "Validation fail" didn't show message when loop detector didn't trigger and flash card.
  - b. Display
    - i. "System Upgrading" not shown when firmware upload using webpage.
    - ii. Nmini 2 display "release time" when valid card was flashed during "Fire Release" status.
    - iii. Nmini2 didn't display inhibit icon when PA message enabled and door inhibited. It works fine when PA message disabled.
    - iv. When the screen went black, on Buddy Card Time Out not shown when buddy card timeout, it only have buzzer. When PA mode is on and Card + Pin Mode
2. Added checking for Key in unsupported card number (for card number more than 4294967295)
3. When input setting sets to close trigger. After firmware upgrade the input will not work. Only after reset/resend parameter then only will work accordingly.
4. Keyed Card + Pin Time Zone function only can use when Local pin function activate. If Local pin no Active, Card number can key in but pin number cannot key in and transaction will show "(Cy) Card Pin Timeout (Entry)".
5. When select "Card number" or "Card Binary" in "Service" menu, screen display will be rolled back to default screen when card flashed. Subsequently, the service personnel could not observe the card number and card binary.
6. When door inhibited and then press push button. Push button no responds. But P1 transaction show (Dm) Door is inhibited.



7. Enter local pin menu, door force open and door closed, local pin page will jump out to PA (PA is enable) but not shown back the local pin menu (same for admin password page)

Modification
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1. Added Admin Pin Lockout.
2. Added Awaiting Second buddy flash display.
3. Change the timeout of buddy mode to 6 seconds (for Card + pin mode)
4. Improved Cold Start and Factory Default time (Added Sector Erase).
5. Improved Keypad Error Handling (No reaction from controller when I2C error).
6. Web Server Processing to improve HTML access security.

Compatibility List
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1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - b) Require **P1 3.12.15.03 (RC.27v)** and above.
3. **ALERT:** Current firmware MUST be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)

Version : NMini2.EP.S1.1.17.14.09

Web: EP.S1.01.00.11.11

Font: 1.02.12.07

DRB: 05

Date: 11 September 2014

New Features
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1. None

Bugs Fixed
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1. None

Modification
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1. Improve communication between DRB and NMini2 RDK.

**ALERT:** Current firmware upgrade requires Crypto Key Reset on DRB.  
- Place jumper on JP4 3-4 for PCB ver. DRB-05-PCB and above and perform reset.  
- Place jumper on JP4 5-6 for PCB ver. DRB-04-PCB and perform reset.

Compatibility List
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1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - c) Require P1 v3.12 (**RC-10**) and above.
3. **ALERT:** Current firmware MUST be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)

## **N-Mini2 Board**

Version : NMini2.EP.S1.1.16.14.06

Web: EP.S1.01.00.11.11

Font: 1.02.12.07

DRB: 05

Date: 10 July 2014

### **New Features**

1. None

### **Bugs Fixed**

1. During lock release, tricolor LED is not showing green color
2. Card+Pin mode, 'Enter Pin' message is not display when flash card when screen is showing company logo.

### **Modification**

1. Resetting LAN device to solve ping fail problem.

### **Compatibility List**

1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version  
**d)** Require P1 v3.12 (**RC-10**) and above.
3. **ALERT:** Current firmware MUST be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)

## **N-Mini2 Board**

Version : NMini2.EP.1.15.14.04

Web: EP.S1.01.00.11.11

Font: 1.02.12.07

DRB: 05

Date: 21 April 2014

### **New Features**

1. None

### **Bugs Fixed**

1. P1 showing controller as 'unknown' status in device list.
2. Controller sometime does not send back transaction until a reset is apply.
3. Fire release returning incorrect fire point number to P1.

### **Modification**

1. Internal recovery for P1 device list 'unknown' status.
2. Internal recovery of sending transaction back to P1.
3. Internal recovery when LAN connection is lost.
4. Solve for 'memory fail' message show in diagnostic screen.

### **Compatibility List**

1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - a) Require P1 v3.12 (**RC-10**) and above.
3. **ALERT:** Current firmware MUST be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)

## **N-Mini2 Board**

Version : NMini2.EP.1.14.xx.xx

Web: EP.S1.01.00.11.11

Font: 1.02.12.07

DRB: 05

Date: Not Release

New Features
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1. None

Bugs Fixed
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1. None

Modification
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1. Production internal evaluation

Compatibility List
--------------------

1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - a) Require P1 v3.12 (**RC-10**) and above.
3. **ALERT:** Current firmware **MUST** be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)

## **N-Mini2 Board**

Version : NMini2.EP.1.13.14.02

Web: EP.S1.01.00.11.11

Font: 1.02.12.07

DRB: 05

Date: 19 February 2014

### **New Features**

1. None

### **Bugs Fixed**

1. Enable reading of 7-Byte UID on n668 model.
2. In 6-digit system, card number showing most significant 2 digit(with leading zero) in TA menu or 'Show Valid Card Flash' enable. E.g
  - Card number 123456 shown as 000012
3. Menu setting 'Show Valid Card Flash' is disable when receiving command from P1 (controller settings)

### **Modification**

1. Supporting new n618 hardware.

### **Compatibility List**

1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - a) Require P1 v3.12 (**RC-10**) and above.
3. **ALERT:** Current firmware MUST be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)

## **N-Mini2 Board**

Version : NMini2.EP.1.12.13.10

Web: EP.S1.01.00.11.11

Font: 1.02.12.07

DRB: 05

Date: Not release

New Features
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1. None

Bugs Fixed
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1. None

Modification
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1. None

Compatibility List
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1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - a) Require P1 v3.12 (**RC-10**) and above.
3. **ALERT:** Current firmware **MUST** be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)

## **N-Mini2 Board**

Version : NMini2.EP.1.11.13.10

Web: EP.S1.01.00.11.11

Font: 1.02.12.07

DRB: 05

Date: 29 October 2013

### **New Features**

1. None

### **Bugs Fixed**

1. Firmware version 1.10.13.07 bug, when apply into product batch xxxxRDKB001A-xxxx, xxxxRDKB002A-xxxx, controller time sometime will become invalid after update by P1.
2. Door force open LCD is not lit up.

### **Modification**

1. Improvement PA messaging, to ensure PA page is always display when LCD is in no activity state.

### **Compatibility List**

1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - a) Require P1 v3.12 (**RC-10**) and above.
3. **ALERT:** Current firmware **MUST** be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)



## **N-Mini2 Board**

Version : NMini2.EP.1.10.13.07

Web: EP.S1.01.00.11.11

Font: 1.02.12.07

DRB: 05

Date: 25 July 2013

### **New Features**

1. None

### **Bugs Fixed**

1. On P1 server online transaction, during Door is Interlock extra fault message such as Valid Card Entry(or Exit) was displaying out in the same time. This extra fault message deleted and left Door is Interlock message.

### **Modification**

1. Improvement on LCD and RTC(Real Time Clock).

### **Compatibility List**

1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - a) Require P1 v3.12 (**RC-10**) and above.
3. **ALERT:** Current firmware MUST be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)

## **N-Mini2 Board**

Version : NMini2.EP.1.09.13.03

Web: EP.S1.01.00.11.11

Font: 1.02.12.07

DRB: 05

Date: 8 April 2013

### **New Features**

1. None.

### **Bugs Fixed**

1. Facility code settings is corrupted when P1 sending peer to peer anti-passback member list.

### **Modification**

1. None.

### **Compatibility List**

1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version
  - a. Require P1 v3.12 (**RC-10**) and above. (Amended on 10 January 2013)
3. **ALERT:** Current firmware **MUST** be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)

## **N-Mini2 Board**

Version : NMini2.EP.1.08.13.03

Web: EP.S1.01.00.11.11

Font: 1.02.12.07

DRB: 05

Date: 8 March 2013

### **New Features**

1. None

### **Bugs Fixed**

1. None

### **Modification**

1. Solve for 'memory fail' message show in diagnostic screen.

### **Compatibility List**

1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version ~~P1 v3.12 and above~~
  - a) Require P1 v3.12 (**RC-10**) and above. (Amended on 10 January 2013)
3. **ALERT:** Current firmware **MUST** be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)

## **N-Mini2 Board**

Version : NMini2.EP.1.07.12.09

Web: EP.S1.01.00.11.11

Font: 1.02.12.07

DRB: 05

Date: 10 January 2013

New Features
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1. None

Bugs Fixed
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1. None

Modification
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1. None.

Compatibility List
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1. Amended more detail information on P1 requirement as below.
2. This firmware require P1 software version ~~P1 v3.12 and above~~
  - a) Require P1 v3.12 (**RC-10**) and above. (Amended on 10 January 2013)
3. **ALERT:** Current firmware **MUST** be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)

## **N-Mini2 Board**

Version : NMini2.EP.1.07.12.09

Web: EP.S1.01.00.11.11

Font: 1.02.12.07

DRB: 05

Date: 14 Sept 2012

New Features
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1. None

Bugs Fixed
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1. None

Modification
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1. Internal process improvement.

Compatibility List
--------------------

1. This firmware require P1 software version P1 ~~v3.12 and above~~
  - a) Require P1 v3.12 (RC-10) and above. (Amended on 10 January 2013)
2. **ALERT:** Current firmware **MUST** be at least NMini2.EP.1.06.12.08 to upgrade to latest version. If current controller firmware is older than NMini2.EP.1.06.12.08, kindly refer to release note for NMini2.EP.1.06.12.08 on firmware upgrade process (describe under compatibility list)

## **N-Mini2 Board**

Version : NMini2.EP.1.06.12.08

Web: EP.S1.01.00.11.11

Font: 1.02.12.07

DRB: 03

Date: 8 August 2012

### **New Features**

1. Public announcement

### **Bugs Fixed**

1. None

### **Modification**

1. Improve exit push button respond
2. Ignore key pressed when local pin is not in valid time zone

### **Compatibility List**

1. This firmware require P1 software version ~~P1 v3.12 and above~~
  - a. Require P1 v3.12 (RC-10) and above. (Amended on 10 January 2013)
2. To upgrade from older firmware, please perform a 2-stage upgrade through P1 by applying:
  - a) First stage upgrade file ( NMINI2\_EP\_S1\_01\_06\_1208\_Mifare\_MFRC522.p1 OR NMINI2\_EP\_S1\_01\_06\_1208\_ProxEM4095.p1)
  - b) Second stage upgrade file  
( NMINI2\_EP\_S1\_01\_06\_1208\_Mifare\_MFRC522\_wif\_config.p1 OR NMINI2\_EP\_S1\_01\_06\_1208\_ProxEM4095\_wif\_config.p1)

## **N-Mini2 Board**

Version : NMini2.EP.S1.01.04.xx.xx – EP.S1.01.05.xx.xx

Date: August 2012

New Features
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1. None

Bugs Fixed
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1. None

Modification
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1. Internal incremental build. Does not release officially

Compatibility List
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1. This firmware require P1 software version P1 v3.12 and above

## **N-Mini2 Board**

Version : NMini2.EP.S1.01.03.11.12

Web: EP.S1.01.00.11.11

Date: December 2011

New Features
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1. Initial release of N-Mini2

Bugs Fixed
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1. None

Modification
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1. None

Compatibility List
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1. This firmware require P1 software version P1 v3.12 and above.