

# STM RFID training – Cas210515

- **Introductions**

- **Examples**

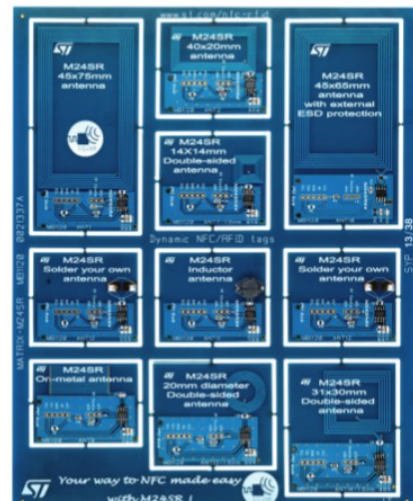
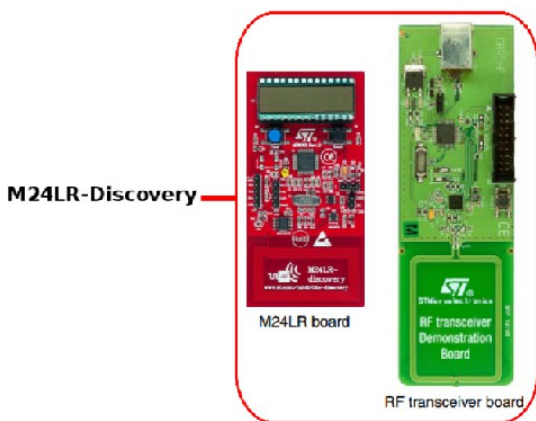
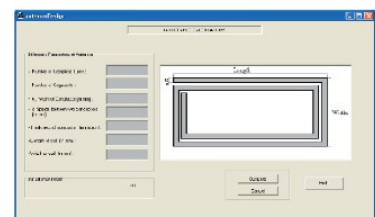
- **Example1**

How to use M24SR and URI NDEF message exchange with smartphone devices.

This example show the internet address of STM, using an Android or Windows Smart Phone.










- **Example2**

How to use M24SRxx to turn on/off the blue led on the X-NUCLEO-NFC01A1



## Introductions

### STM RFID slides

Name	Date modified	Type	Size
 1_Introduction_NFC_basic.pdf	13/05/2015 11:21	Adobe Acrobat D...	2.015 KB
 2_NFC_portfolio.pdf	11/05/2015 16:52	Adobe Acrobat D...	1.230 KB
 3a_Dynamic_Tags_M24LR.pdf	11/05/2015 15:04	Adobe Acrobat D...	2.160 KB
 3b_Dynamic_Tags_M24SR.pdf	11/05/2015 15:23	Adobe Acrobat D...	1.769 KB
 3c_NFC_Antenna_Design.pdf	11/05/2015 16:15	Adobe Acrobat D...	717 KB
 4_M24SR_Dynamic_Tags_Demo.pdf	11/05/2015 16:15	Adobe Acrobat D...	2.337 KB
 5_Transceivers.pdf	11/05/2015 16:44	Adobe Acrobat D...	3.566 KB
 6_Transceivers_Demo.pdf	11/05/2015 16:50	Adobe Acrobat D...	150 KB
 7_Tags.pdf	11/05/2015 16:57	Adobe Acrobat D...	1.123 KB

### STM RFID training material

Name	Date modified	Type
 Documentation	21/05/2015 09:45	File folder
 Excersises	21/05/2015 09:48	File folder
 Install	21/05/2015 11:53	File folder
 Slides	21/05/2015 09:45	File folder

On Android SmartPhone, please install [this](#) APP (ST M24SR Demo).

## Examples

### Example1 – How to use M24SR and URI NDEF message exchange with smartphone devices.

This example show the internet address of STM, using an Android or Windows Smart Phone.

This example use a [NUCLEO-Board](#) + [X-NUCLEO-NFC01A1 Dynamic NFC tag expansion board based on M24SR](#)

Please read this doc:

#### 4\_M24SR\_Dynamic\_Tags\_Demo.pdf

the is here:

C:\...\Slides

The example for **KEIL** is here:

C:\...\Exercices\Ex1\X-CUBE-NFC1\_v1.2.0\Projects\Multi\Applications\WriteURI\MDK-ARM

The example for **IAR** is here:

C:\...\Exercices\Ex1\X-CUBE-NFC1\_v1.2.0\Projects\Multi\Applications\WriteURI\EWARM








The **explanation** is here:

C:\...\Exercices\Ex1\X-CUBE-NFC1\_v1.2.0\Projects\Multi\Applications\WriteURI

The **library manual** (X-CUBE-NFC1.chm) is here

C:\...\Exercices\Ex1\X-CUBE-NFC1\_v1.2.0\Documentation

Below there are the list of NUCLEO-Boards, where the SW (Example 1) is available.

Name	Date modified	Type
 STM32F030R8-Nucleo	21/05/2015 09:48	File folder
 STM32F072RB-Nucleo	21/05/2015 09:48	File folder
 STM32F103RB-Nucleo	21/05/2015 09:48	File folder
 STM32F302R8-Nucleo	21/05/2015 09:48	File folder
 STM32F401RE-Nucleo	21/05/2015 09:48	File folder
 STM32L053R8-Nucleo	21/05/2015 14:47	File folder
 STM32L152RE-Nucleo	21/05/2015 09:48	File folder

## Example2 – How to use M24SRxx to turn on/off the blue led

This example turn on/off the blue led via Android or Windows Smart Phone.

The blue led is on the:

[X-NUCLEO-NFC01A1 Dynamic NFC tag expansion board based on M24SR](#)

This example use a [NUCLEO-Board](#) + [X-NUCLEO-NFC01A1 Dynamic NFC tag expansion board based on M24SR](#)

Please read this doc:

**4\_M24SR\_Dynamic\_Tags\_Demo.pdf**

the is here:

C:\...\Slides

The example for **KEIL** is here:

C:\...\Excercises\Ex2\X-CUBE-

NFC1\_v1.2.0\Projects\Multi\Applications\Commander\MDK-ARM

The example for **IAR** is here:

C:\...\Excercises\Ex2\X-CUBE-

NFC1\_v1.2.0\Projects\Multi\Applications\Commander\EWARM

The **explanation** is here:








C:\...\Excercises\Ex2\X-CUBE-

NFC1\_v1.2.0\Projects\Multi\Applications\Commander

The **library manual** (X-CUBE-NFC1.chm) is here

C:\...\Excercises\Ex2\X-CUBE-NFC1\_v1.2.0\Documentation

Below there are the list of NUCLEO-Boards, where the SW (Example 2) is available.

Name	Date modified	Type
 STM32F030R8-Nucleo	21/05/2015 15:02	File folder
 STM32F072RB-Nucleo	21/05/2015 15:02	File folder
 STM32F103RB-Nucleo	21/05/2015 15:02	File folder
 STM32F302R8-Nucleo	21/05/2015 15:02	File folder
 STM32F401RE-Nucleo	21/05/2015 15:02	File folder
 STM32L053R8-Nucleo	21/05/2015 15:02	File folder
 STM32L152RE-Nucleo	21/05/2015 15:02	File folder