



# circle CIM315C Compact Contactless Smart Card Reader Module User Manual

[Home](#) » [circle](#) » circle CIM315C Compact Contactless Smart Card Reader Module User Manual 

## Contents

- [1 circle CIM315C Compact Contactless Smart Card Reader Module](#)
- [2 Driver installation Procedure](#)
- [3 Operation Example](#)
- [4 FCC Statment](#)
- [5 Documents / Resources](#)
  - [5.1 References](#)
- [6 Related Posts](#)



## circle CIM315C Compact Contactless Smart Card Reader Module



## Driver installation Procedure

The driver is signed by Microsoft and WHQL, user can install the driver with Window Update. In case that cannot install via Window Update, please process the below steps to Manual installation.

## Hardware requires:

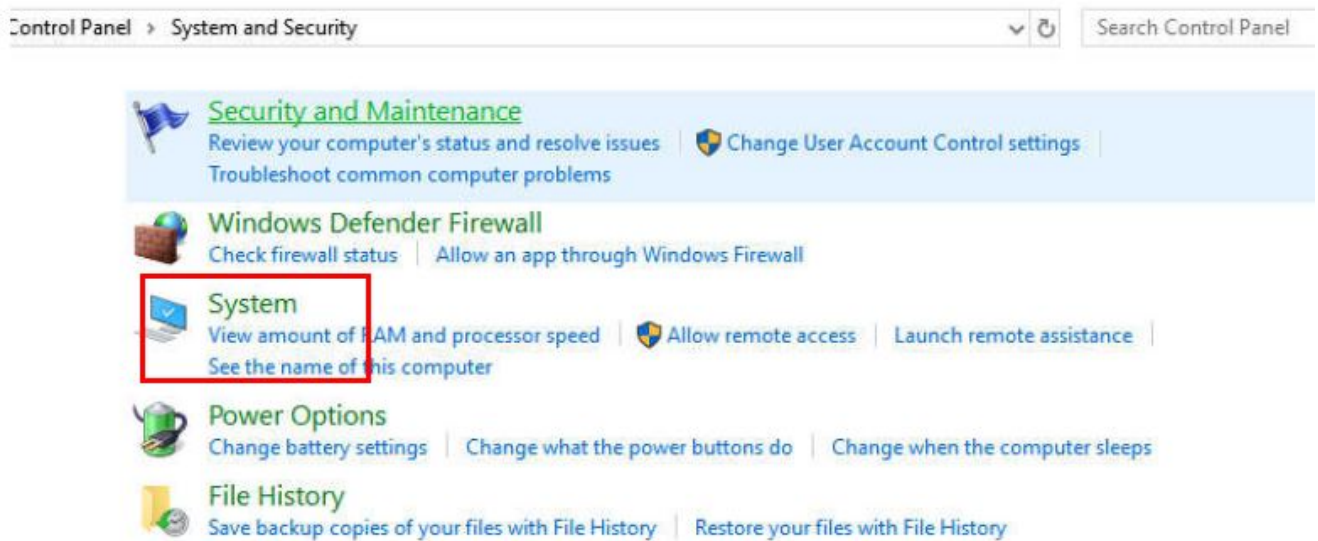
- CIM315C
- PC with OS Windows 7 or above

## Software requires:

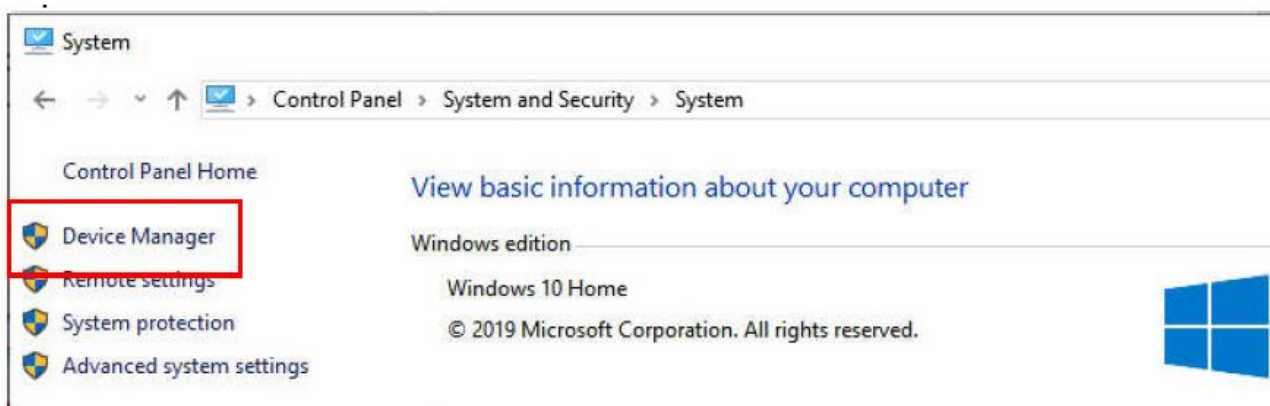
- CIR315 Driver Package

## Steps:

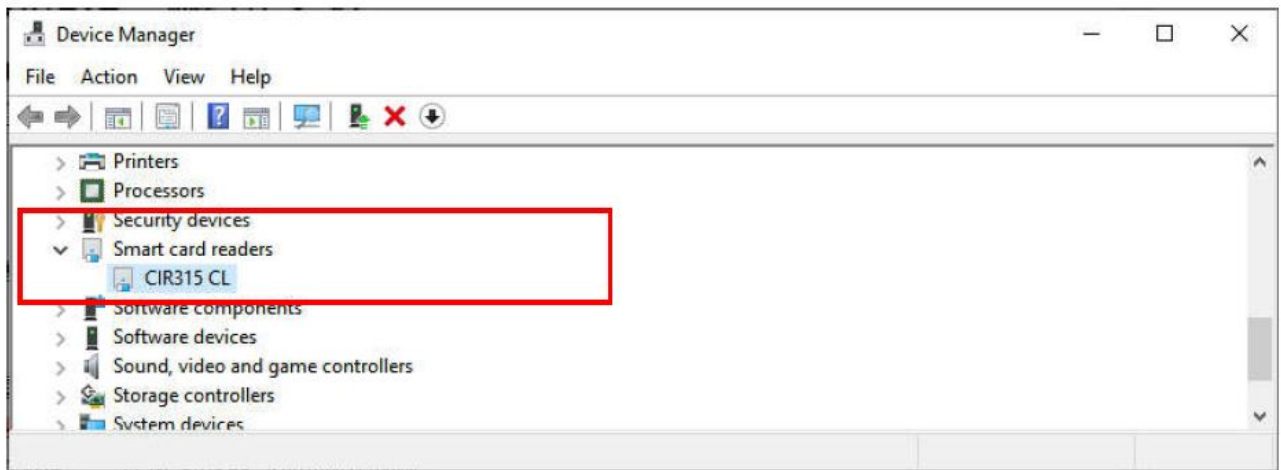
1. Connect CIM315C to PC
2. On PC, open "Control Panel > System"



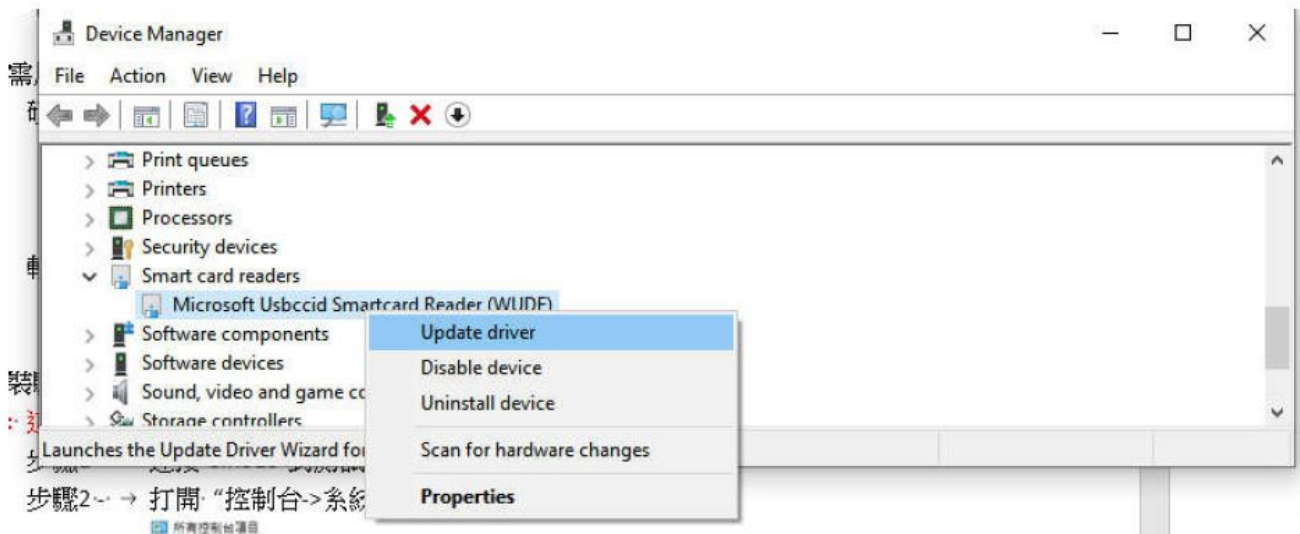
3. Open "Device Manager"



4. Select and open "Smart card readers" if it is shown "Microsoft Usbccid ... (WUDF)", please continue with step 5)



5. if it is shown "CIR315 CL", mean driver install completed Right click then select "Update driver" (one by one)



6. Select "Browse my computer for driver software"

← Update Drivers - Microsoft Usbccid Smartcard Reader (WUDF)

How do you want to search for drivers?

→ Search automatically for updated driver software  
Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.

→ Browse my computer for driver software  
Locate and install driver software manually.

7. Let me pick from a list

← Update Drivers - Microsoft Usbccid Smartcard Reader (WUDF)

### Browse for drivers on your computer

Search for drivers in this location:

D:\Project\CIR315\Production Package\CIR315A-01ENG\TL\_DRIVER

Browse...

☒ Include subfolders

→ Let me pick from a list of available drivers on my computer  
This list will show available drivers compatible with the device, and all drivers in the same category as the device.

Next

Cancel

#### 8. Select "Have Disk..."

← Update Drivers - Microsoft Usbccid Smartcard Reader (WUDF)

### Select the device driver you want to install for this hardware.



Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.

☒ Show compatible hardware

Model

- CIR115 ICC Version: 2.0.0.0 [24/9/2019]
- CIR115 ICC Version: 2.0.0.0 [26/9/2019]
- Microsoft Usbccid Smartcard Reader (UMDF2)
- Microsoft Usbccid Smartcard Reader (WUDF)

This driver is digitally signed.  
[Tell me why driver signing is important](#)


Have Disk...

Next

Cancel





#### 9. Select "Browse..." Select "CIR315.inf", then press "Open" and "OK"


Select the device driver you want to install for this hardware.

 Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.

☒ Show compatible hardware

Model

-  CIR115 ICC Version: 2.0.0.0 [24/9/2019]
-  CIR115 ICC Version: 2.0.0.0 [26/9/2019]
-  Microsoft Usbccid Smartcard Reader (UMDF2)
-  Microsoft Usbccid Smartcard Reader (WUDF)

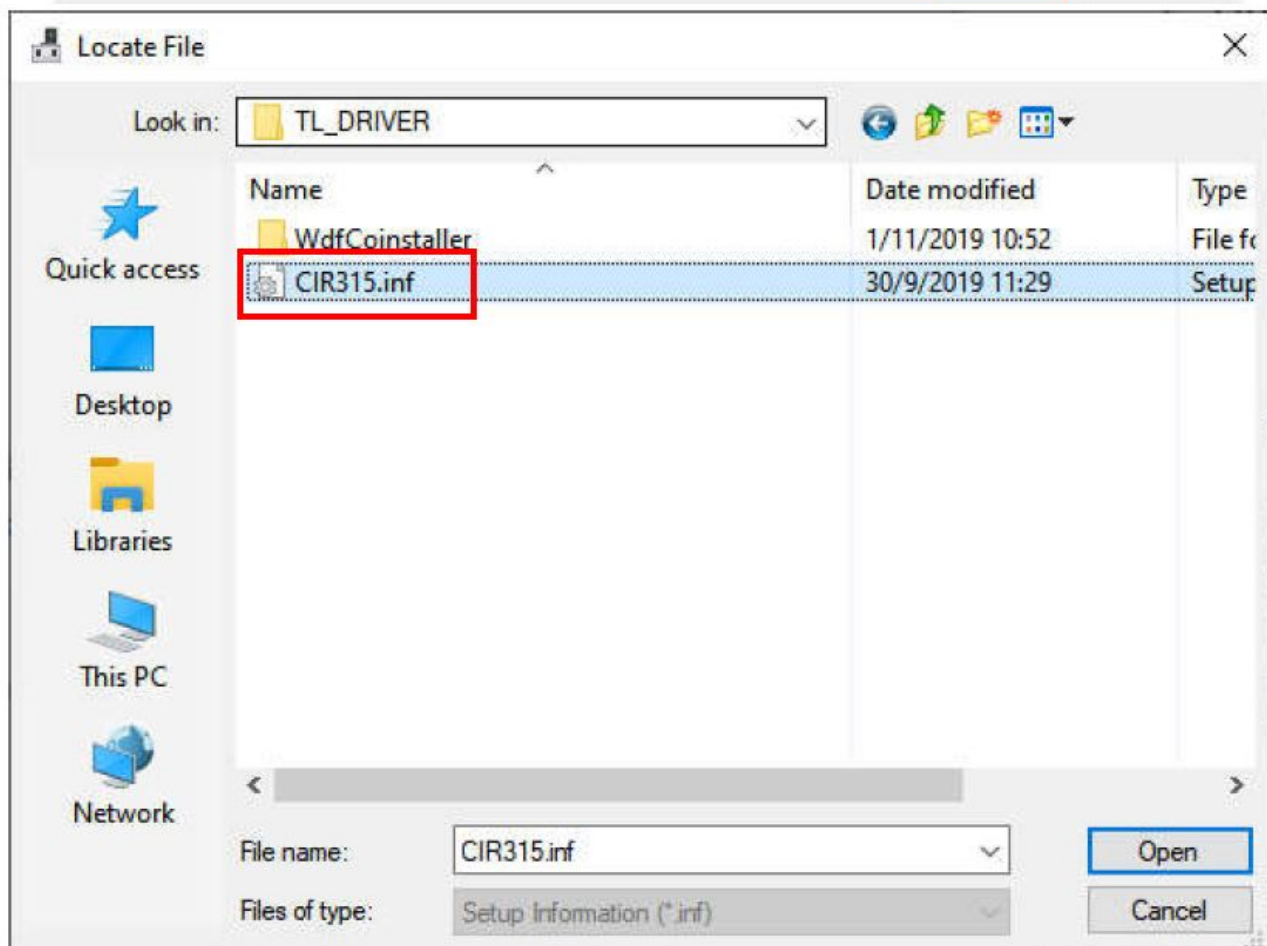
 This driver is digitally signed.

[Tell me why driver signing is important](#)

Have Disk...

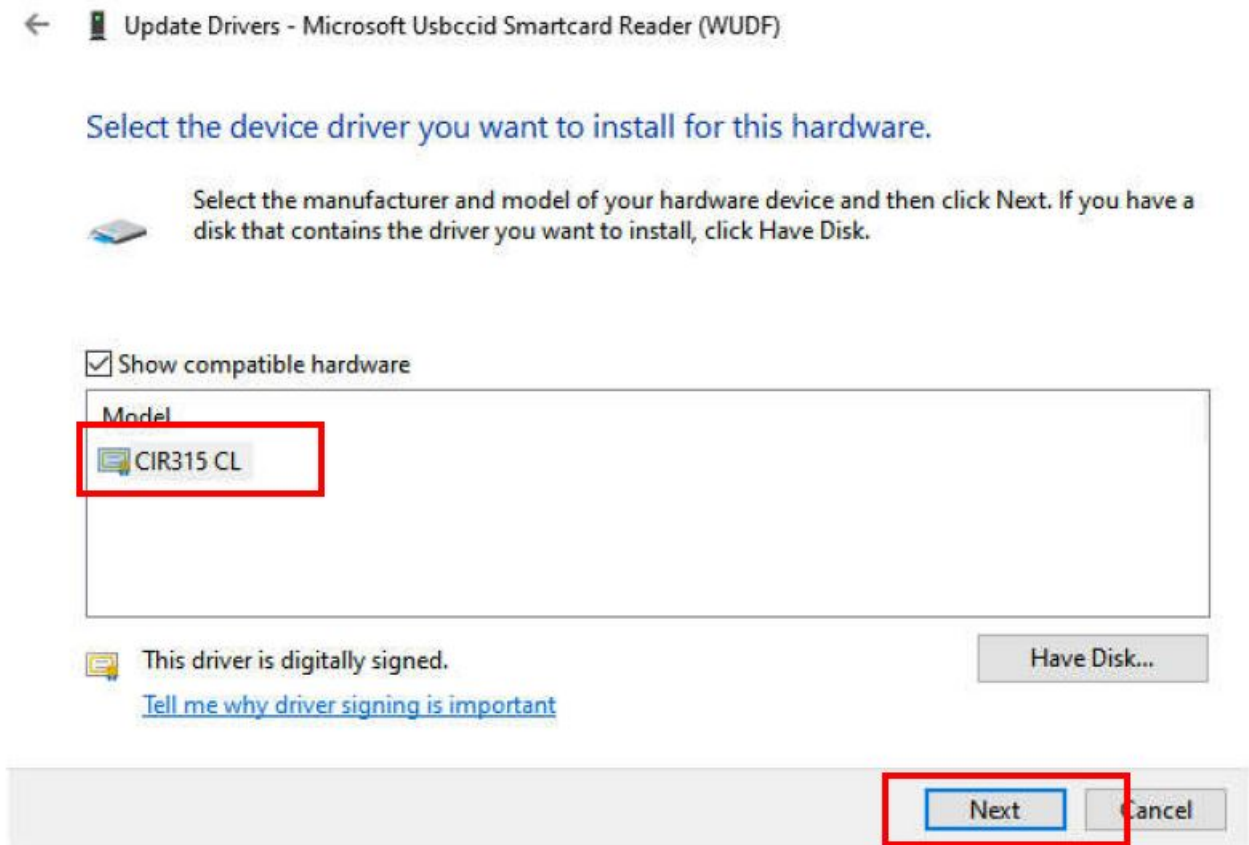
Next

Cancel

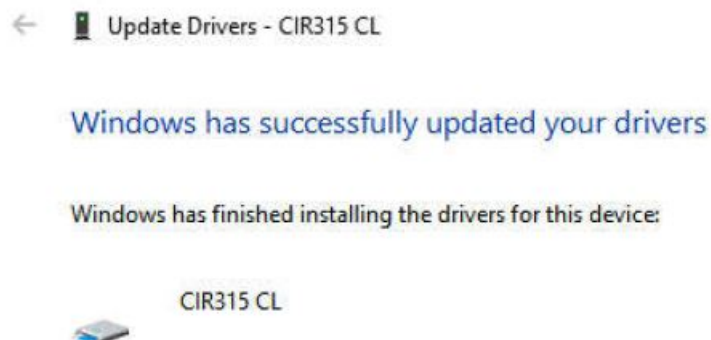


10. Select "CIR315 CL" then "Next"





11. Waiting until below screen shown, Press “Close” to complete



12. Double click to ensure the device changed to “CIR315 PICC” and “CIR315 SAM”



13. Done

## Operation Example

## Hardware requires:

- CIM315C
- PC with OS Windows 7 or above
- ISO14443 Test Card

## Software requires:

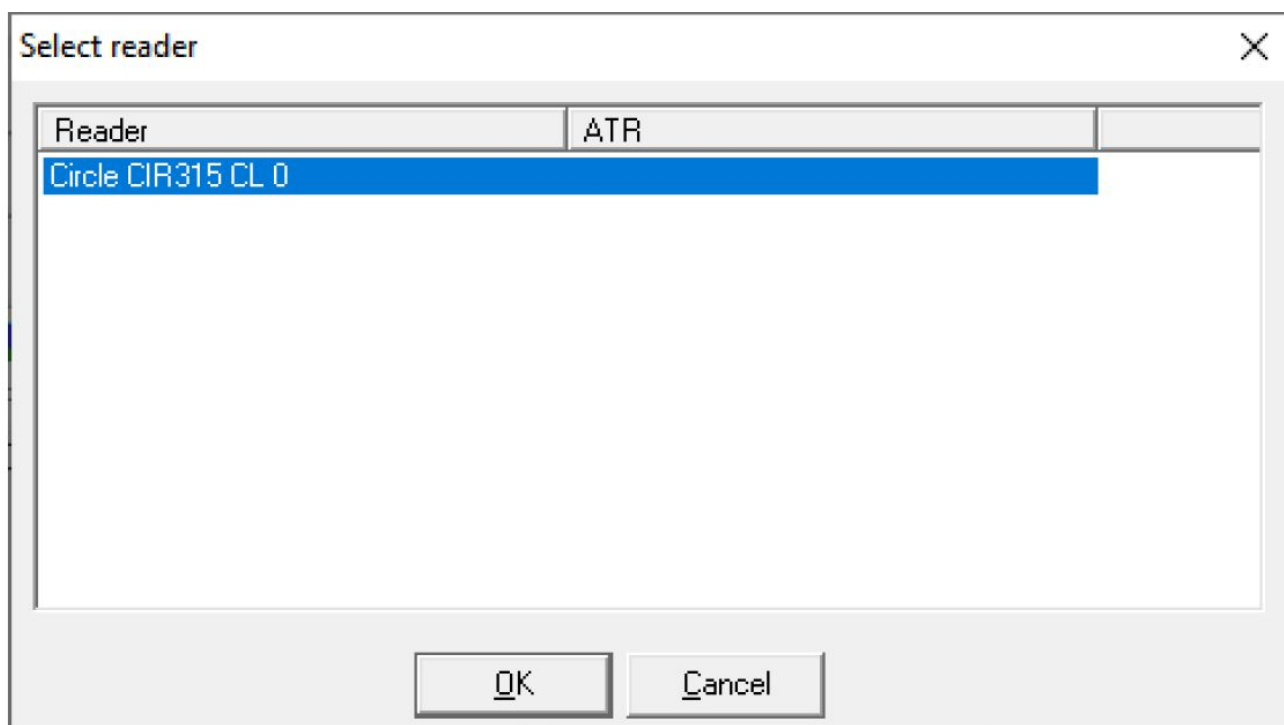
- Any PCSC Application (e.g. APDU.exe)

## Steps:

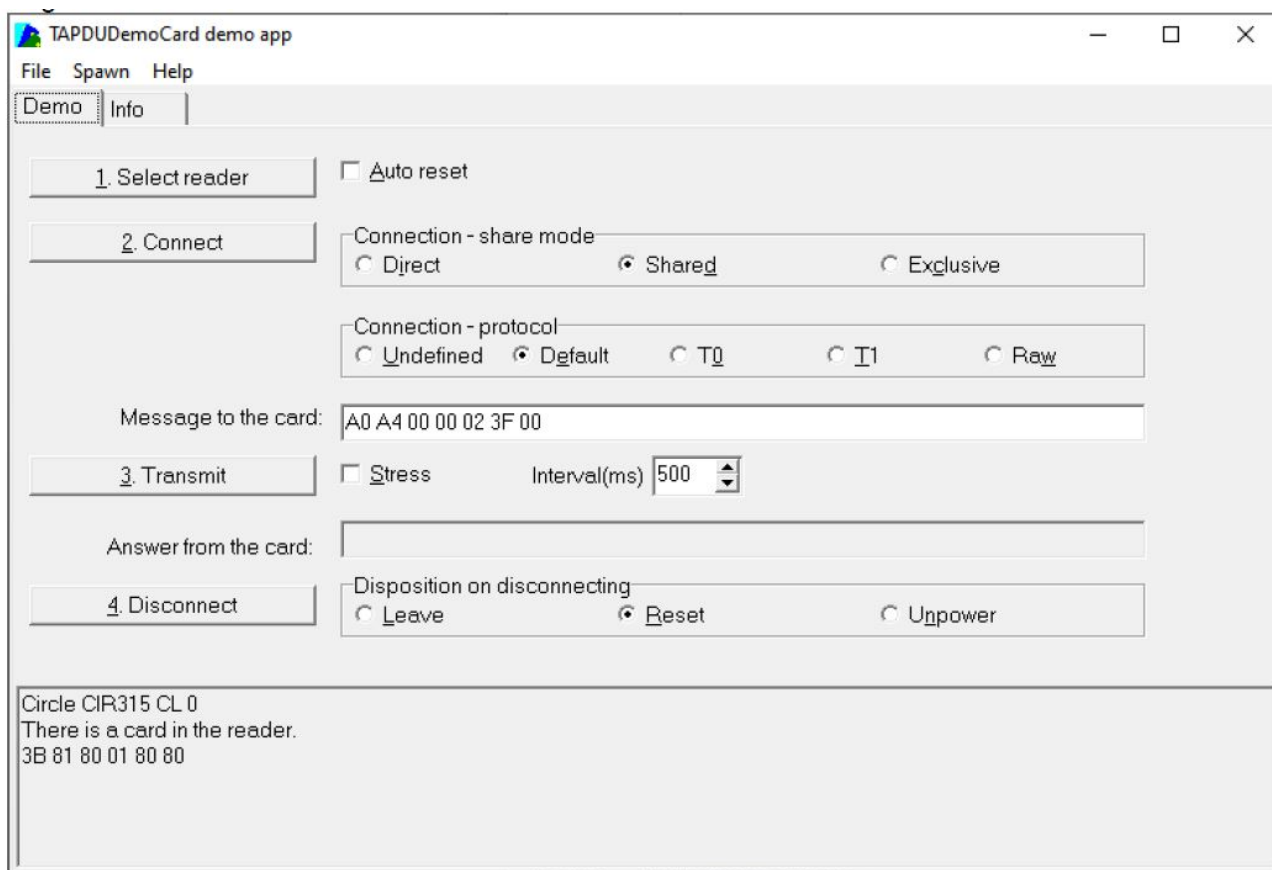
1. Plugin the reader into the PC
2. Open “APDU.exe”



3. Click “1. Select reader”, Chose “Circle CIR315 CL 0”, then click “OK”

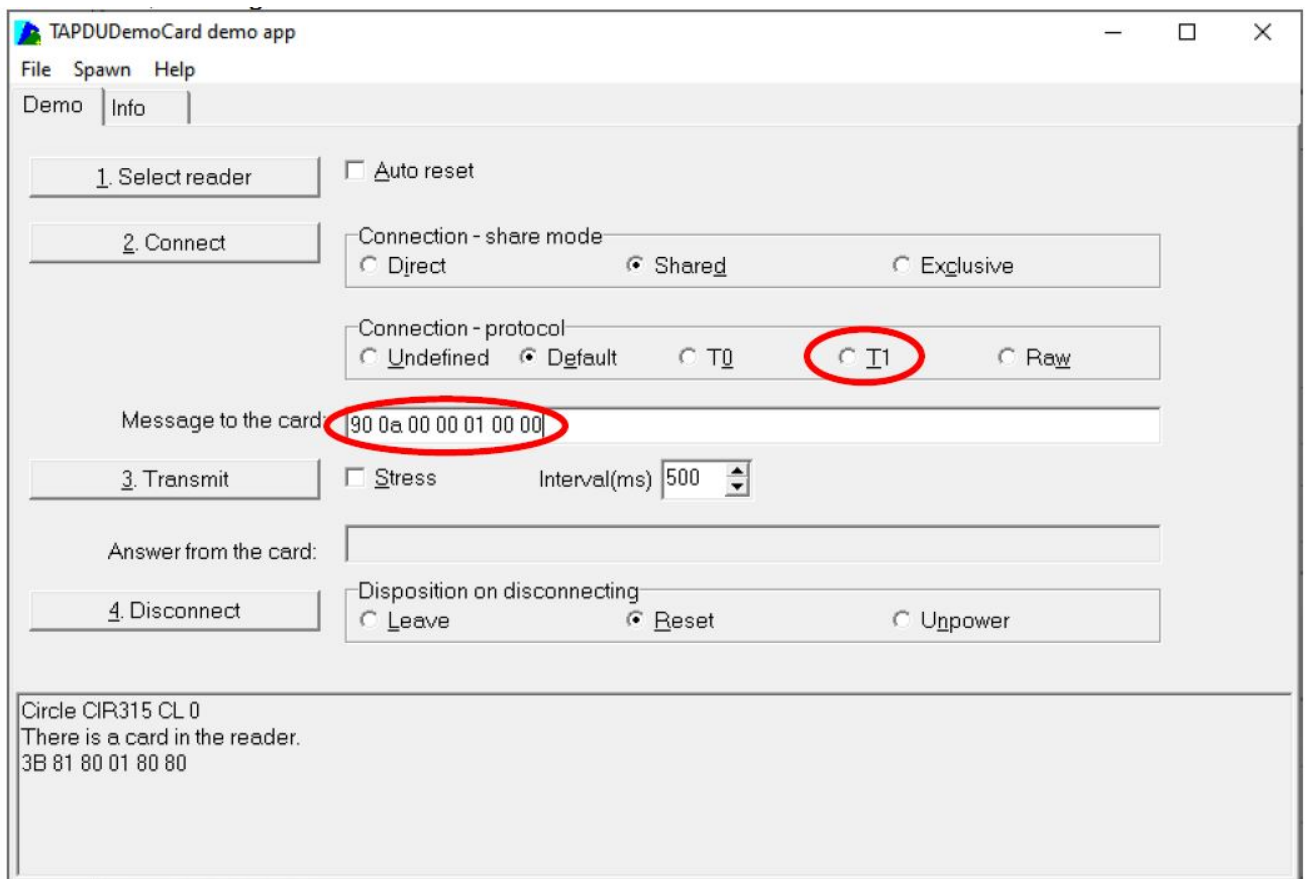


4. Tag ISO14443 Test card on CIM315C

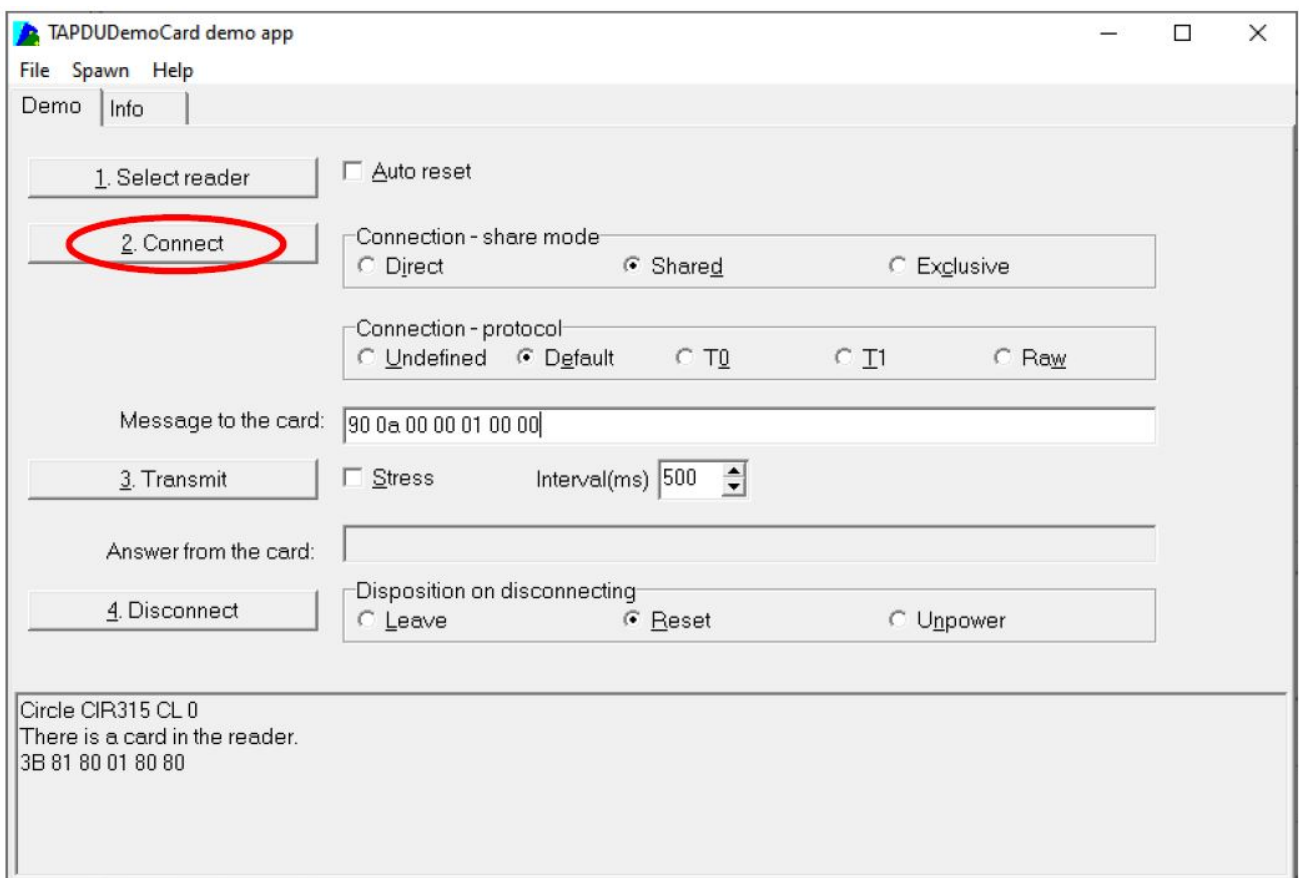


5. Select "T1", Message = "90 0a 00 00 01 00 00"

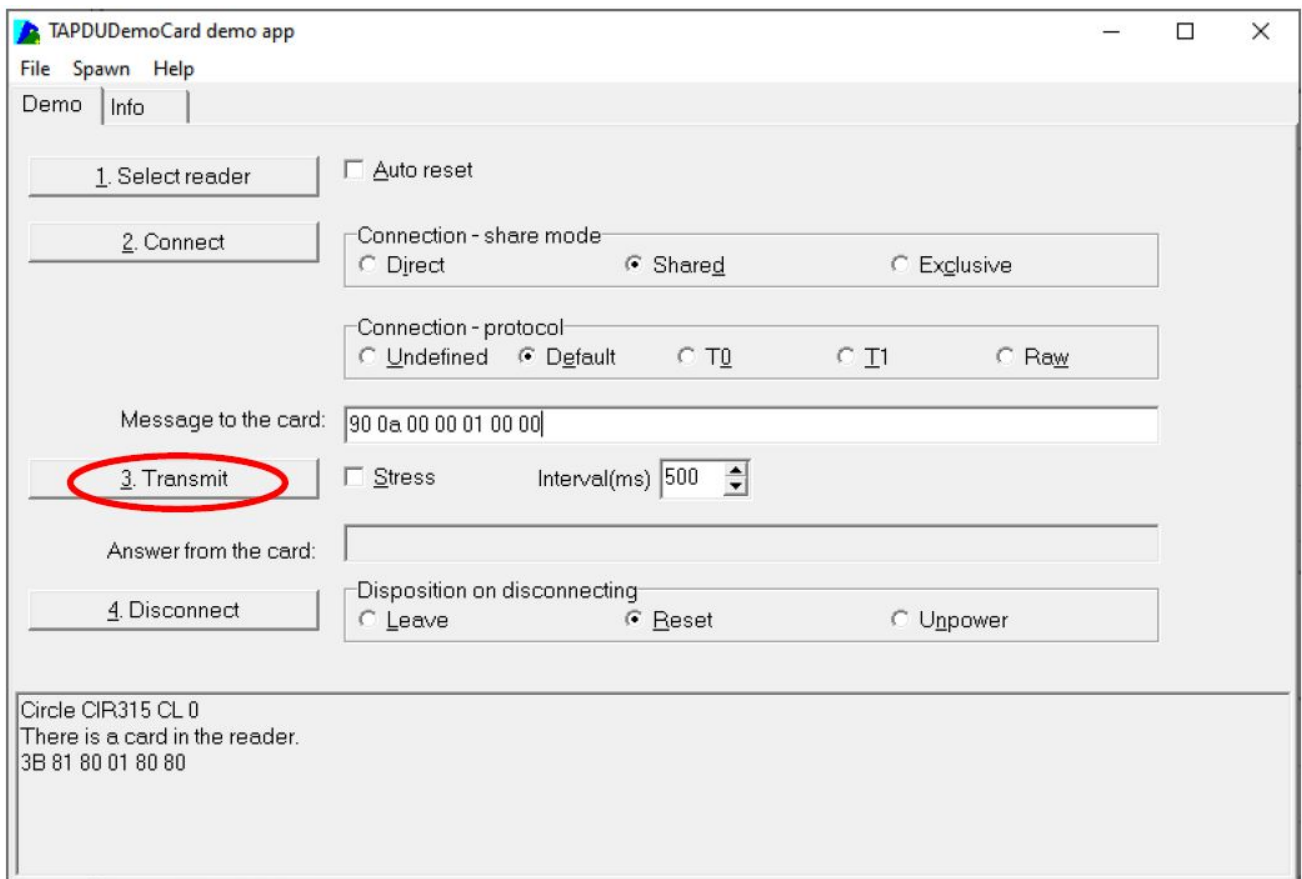




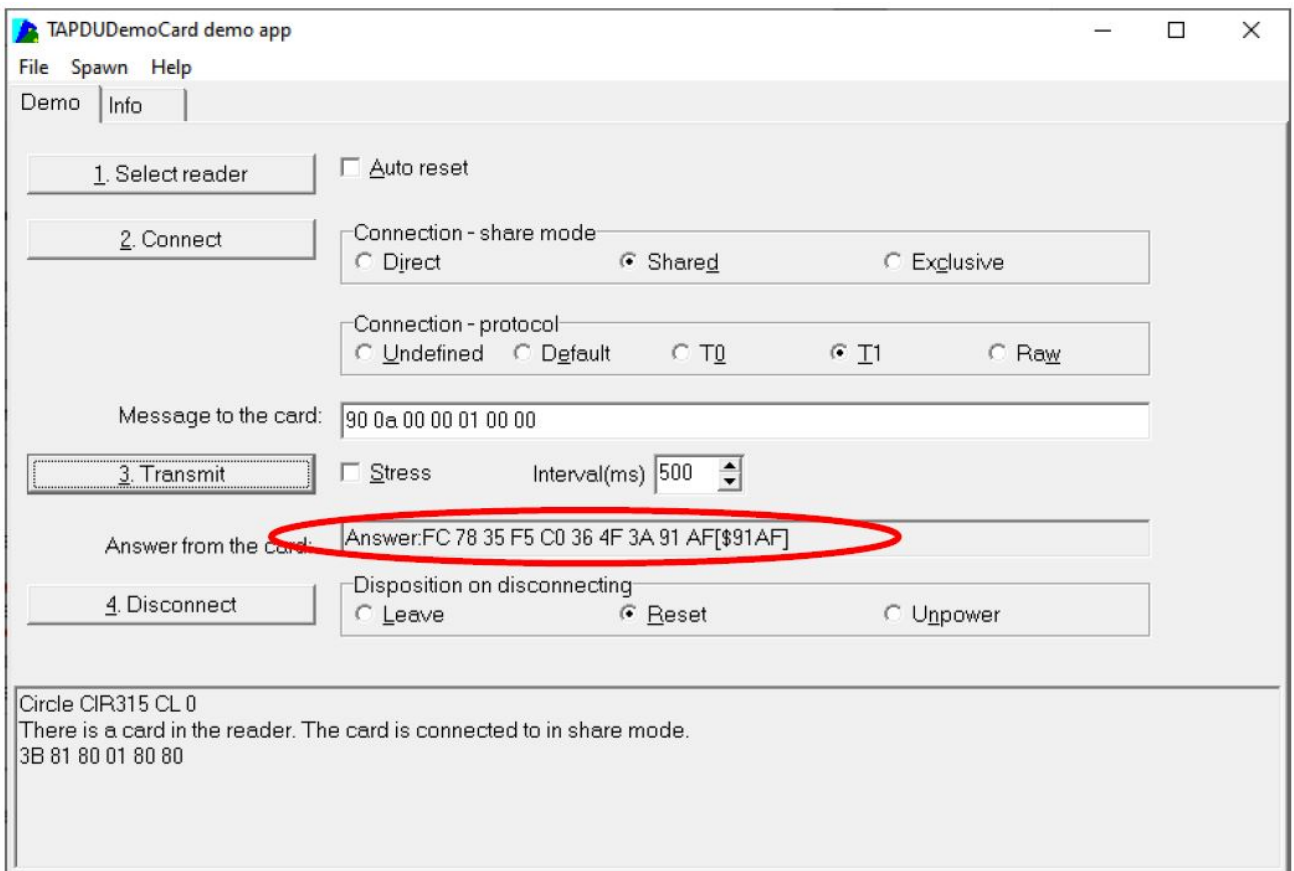
6. Press "2. Connect"



7. Press "3. Transmit"



8. Result will be shown on the “Answer from the card:



## FCC Statment

### NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a

residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

### **Caution**

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

### **Specific operational use conditions**

The end product which used the equipment have to full test and apply an original FCC ID. Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

### **Limited modular**

This equipment applied as Limited single-modular transmitter, the end product which used this equipment have to full test and apply an original FCC ID.

### **RF Exposure warning**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. The End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The end product which used this equipment have to full test and apply an original FCC ID.


### **Antennas**

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment. The end product which used this equipment have to full test and apply an original FCC ID.

### **Label and compliance information**

The end product which used this equipment have to full test and apply an original FCC ID. Label should be included and compliance to the FCC rules with end product's FCCID.

## **Documents / Resources**

	<p><a href="#">circle CIM315C Compact Contactless Smart Card Reader Module</a> [pdf] User Manual CIM315C, 2AUVIM-CIM315C, 2AUVMCIM315C, CIM315C Compact Contactless Smart Card Reader Module, CIM315C, Compact Contactless Smart Card Reader Module</p>
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## **References**

-  [AB Circle Limited - Finest IoT and smart card readers](#)

