

13.56Mhz RFID Reader/writer – USB driver installation guide for Windows

Remarks :

Don't connect the USB reader with the PC when running below auto USB driver setup

[1] insert the USB driver disk to CD-ROM :

run the auto setup program from the following path :

cd-rom drive : \USB To Virtual Com driver\CP210x_VCP_Win2K_XP_S2K3.exe

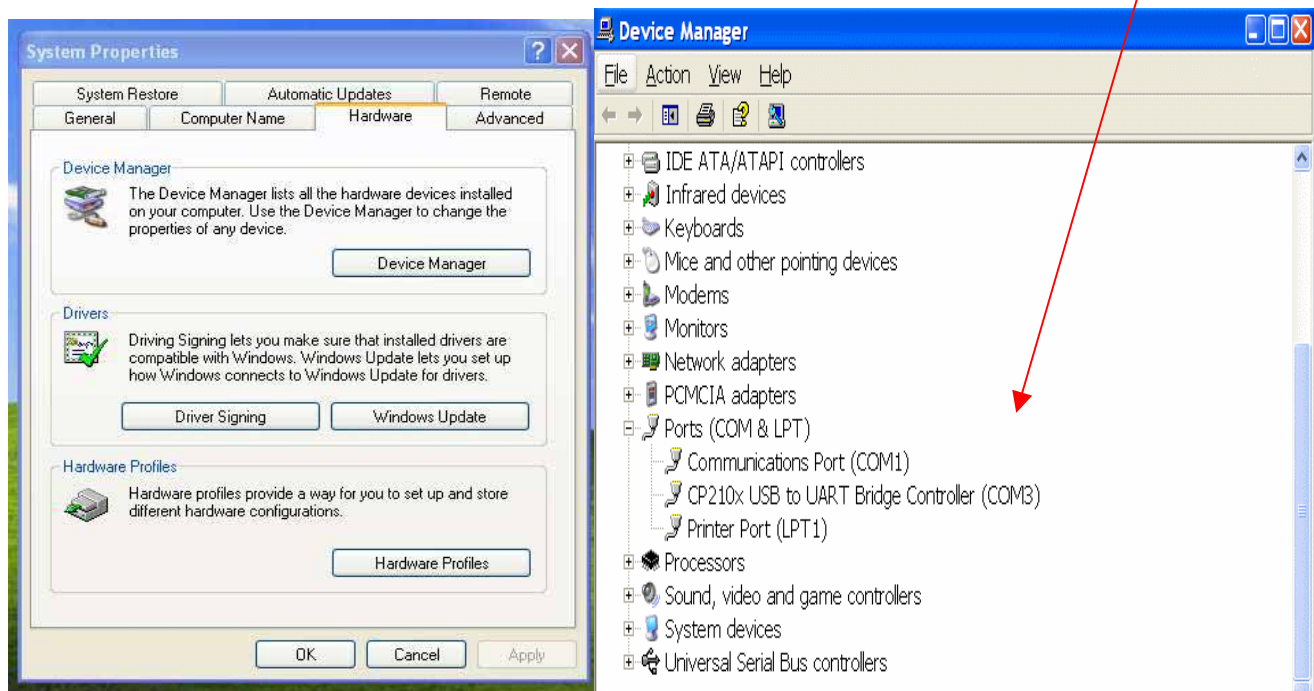
windows OS support : 2000 , XP , Vista & 2003 server



[2] After driver installation → connect the USB reader to the PC's USB port with a USB cable . Then the PC will find the reader and install the "USB to UART Bridge" driver automatically.

[3] After installation successfully , you will find "CP210xUSB to UART Bridge Controller (Com3)" as follow message from the control panel/system/hardware/device manager/port(COM & LPT) .

(may be see other COM port # , not the COM3 which is depend on your PC's hardware configuration)



Demo program installation

Run the demo program from the following path :

VB.Net : cd-rom drive\\demo program & source code\VB_Net\RR3036DemoVB.EN

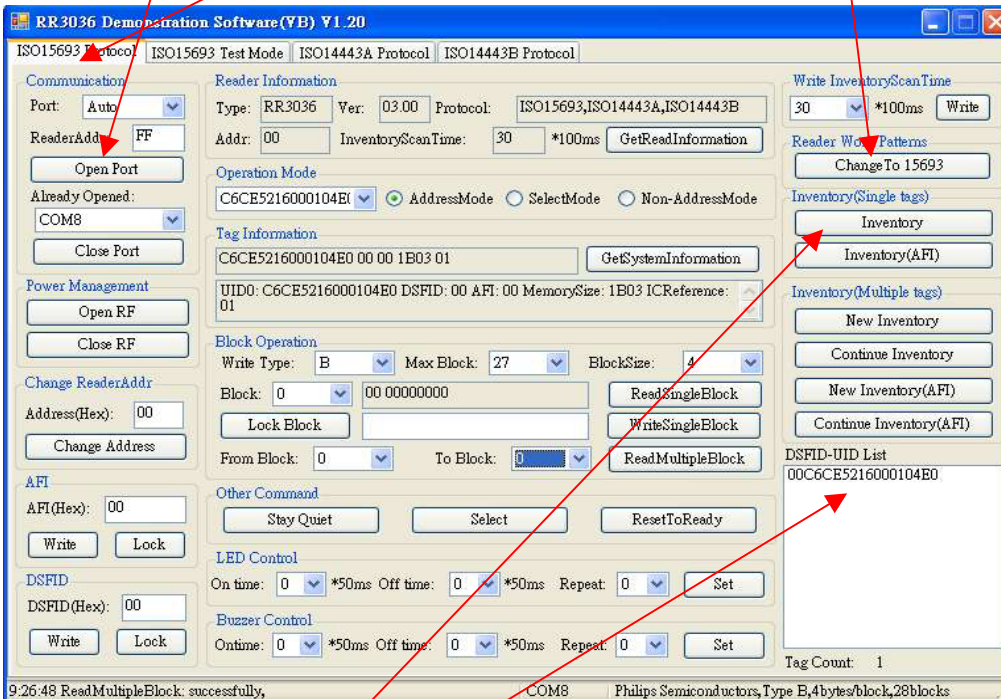
Csharp : cd-rom drive\\demo program & source code\Csharp\RR3036DemoCSharp

Delphi : cd-rom drive\\demo program & source code\Delphi\RR3036Demo

For model : HF-TP-RW-USB - Demo program (ISO15693)

[1] click on "open com" - will show com port # if the communication is correct.

[2] Select "ISO15693 protocol" from menu and click on "Change to 15693"



How to read single ISO15693 tag

[1] place a ISO15693 Tag on the reader

[2] click on "Inventory" from Inventory (Single tags)

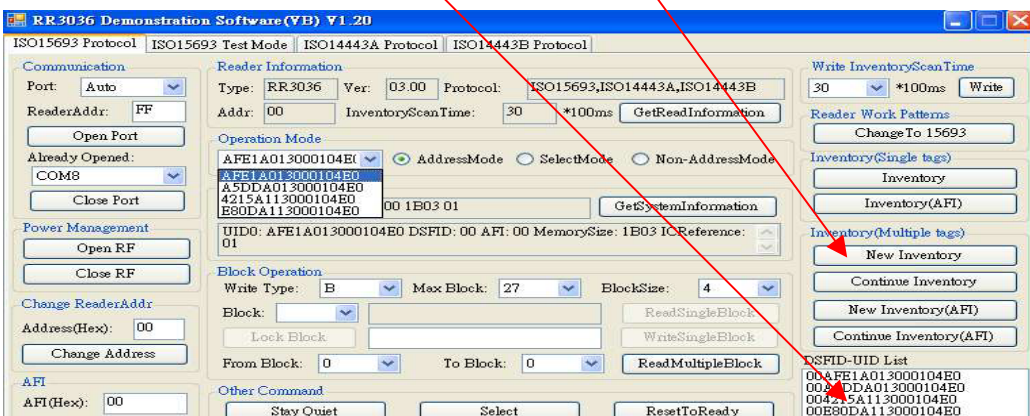
[3] UID will be shown here

How to read multiple ISO15693 tag

[1] place some ISO15693 Tags on the reader

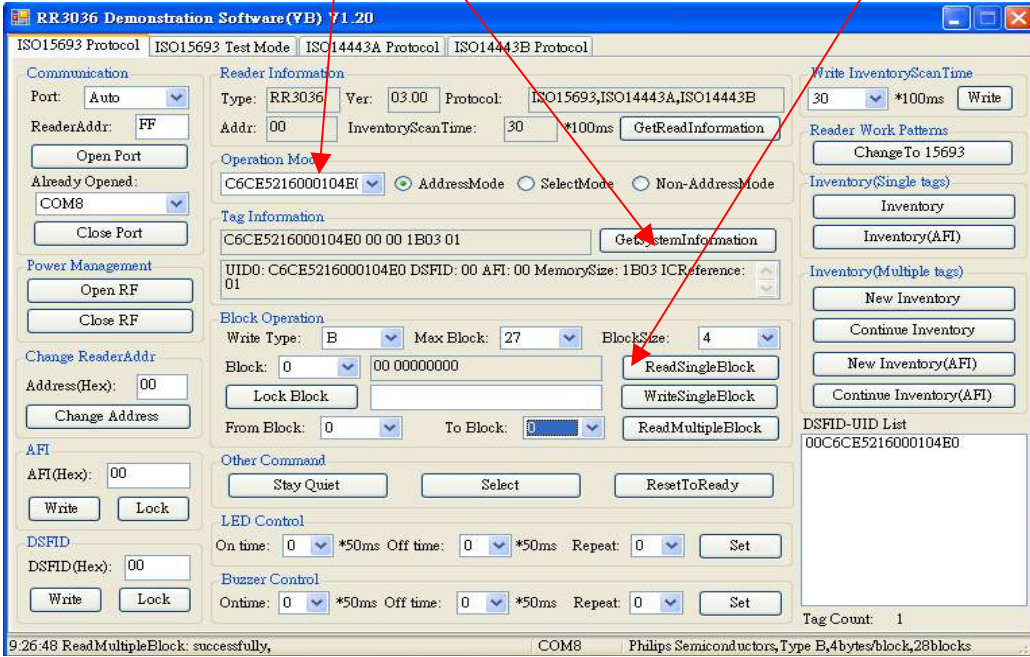
[2] click on "New Inventory" from Inventory (Multiple tags)

[3] multiple tag UID will be shown here



How to read/write ISO15693 tag

- [1] click on "operation Mode" to select the tag
- [2] click on "GetSystemInformation" to get tag information
- [3] select the single or multiple block# to read/write from "Block Operation"



ISO15693 Test Mode

- [1] place some ISO15693 tags on the reader
- [2] click on "ISO15693 Test Mode" and "open test mode"
- [3] Multi tags UID will be shown as follow :

The screenshot shows the RR3036 Demonstration Software (v1.20) interface in 'ISO15693 Test Mode'. A table displays the detected tags with their manufacturer, UID, and DSFID.

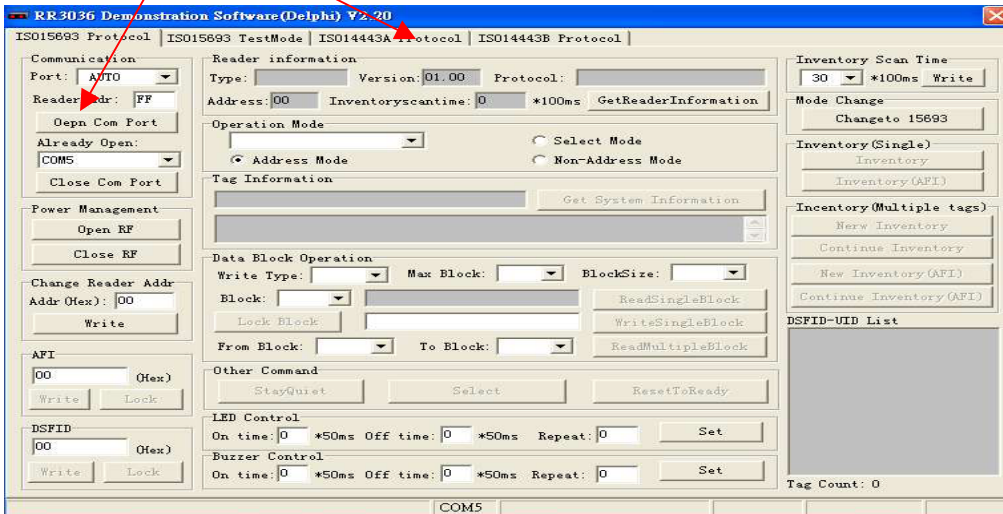
Num...	Manufacturer	UID	DSFID
1	Philips Semiconductors	AFE1A013000104E0	00
2	Philips Semiconductors	A5DDA013000104E0	00
3	Philips Semiconductors	E9DFA013000104E0	00
4	Philips Semiconductors	4215A113000104E0	00
5	Philips Semiconductors	82DBA013000104E0	00
6	Philips Semiconductors	0C1AA113000104E0	00
7	Philips Semiconductors	E80DA113000104E0	00

Remarks :

For other operation & read/write flow , pls refer to the RR3036 Protocol manual & ISO15693 Tag's datasheet in detail

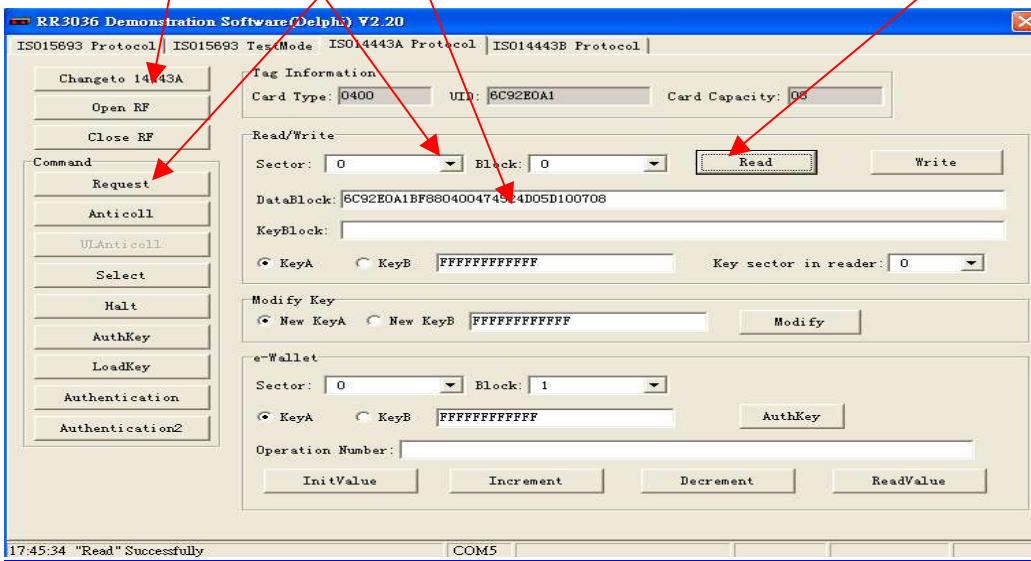
For model : HF-TP-RW-USB - Demo program (ISO14443A)

- [1] click on "open com" - will show com port # if the communication is correct.
- [2] Select ISO14443A from menu



How to read manufacturer block (locate at Block 0 / sector 0)

- [1] place a MF1 S50 ISO card on the reader
 - [2] click on "change to 14443A"
 - select - sector = "0" and block = "0"
 - [3] click on command : "Request" → "Anticoll" → "select" → "Authkey" → "Read"
- ID will shown on screen as follow :



Remarks :

For other operation & read/write flow , pls refer to the RR3036 Protocol manual & Mifare ISO14443A Tag's datasheet in detail