

## User files handling AM600



## TABLE OF CONTENTS

1	General data .....	2
2	Purpose of this document .....	2
3	Read/write files .....	3
3.1	SD card.....	4
3.2	InoShopPro Tool .....	5
3.3	Windows 10 file explorer.....	7
3.4	Through IT7000 USB port .....	8
3.5	Enable Samba on Windows 10 .....	9
4	Read/write data to AM600 through IT7000 Recipes.....	10
4.1	Open IT7000 control panel .....	13

## 1 GENERAL DATA

Authors: Raúl Sampé

Date: 08.03.2020

Hardware: AM600, IT7000

Software: InoShopPro v1.5.2, InoTouchPad v0.8.8.20-R, Windows file explorer, Samba

Info: AM600 procedure guide

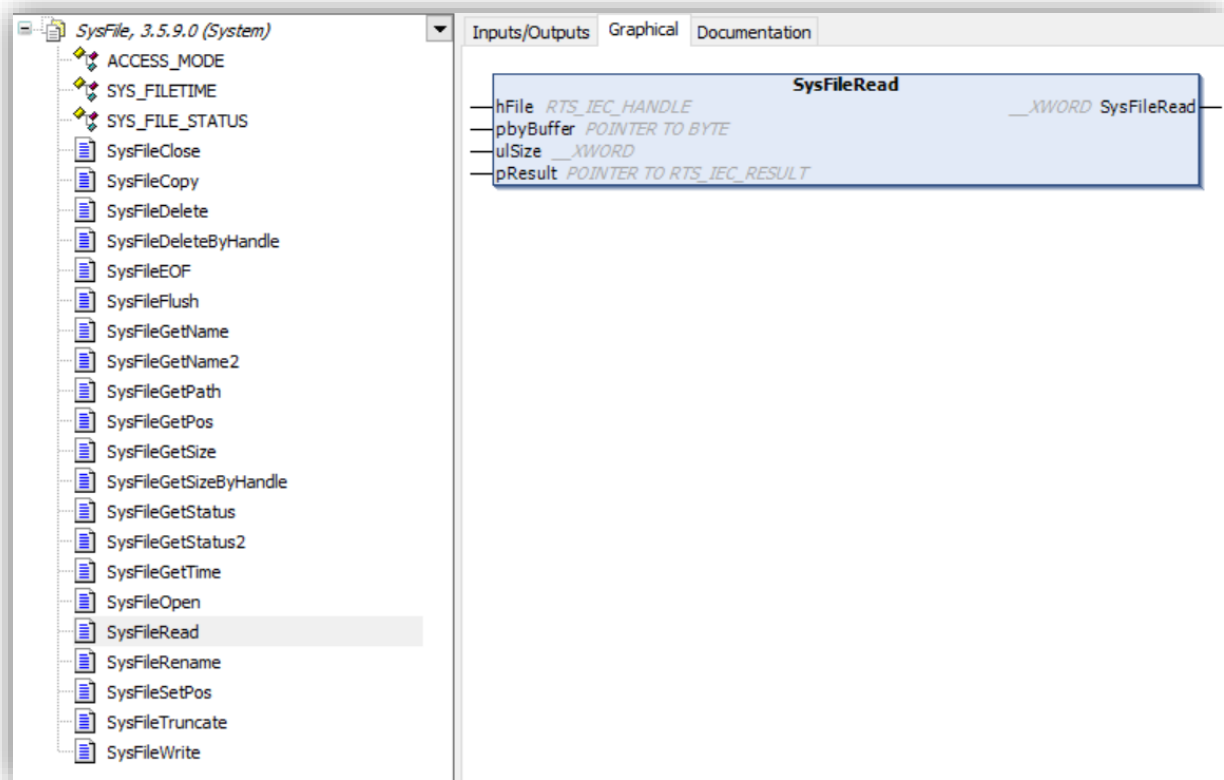
## 2 PURPOSE OF THIS DOCUMENT

The purpose of this document is to explain the procedure to read/write files from/to AM600.




## 3 READ/WRITE FILES

It is possible to read and write files from/to the internal memory of the AM600 using the "InoShopPro Tool" program, the Windows 10 file explorer, AM600 SD card or IT7000 USB port.

To read / write the files transferred to the AM600, standard libraries for file management such as "SysFile" can be used.



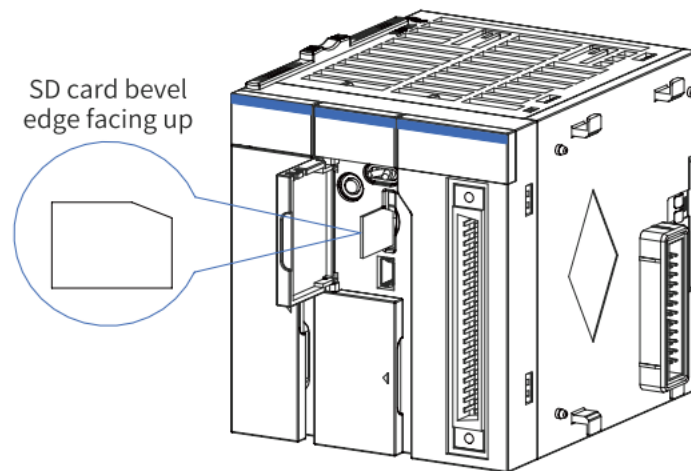
This table shows the folders used to store the files using the different methods:

 /mnt/	3.1 SD card
 /AM600-nand/share/	3.2 INOSHOPPRO TOOL 3.3 Windows 10 file explorer
 /AM600-nand/usrdownload/	3.4 Through IT7000 USB port

## 3.1 SD CARD

AM600 provides a SD card slot. It is possible to read/write files from/to this SD card using SysDir and SysFile libraries. The files are stored in **/mnt/** folder.

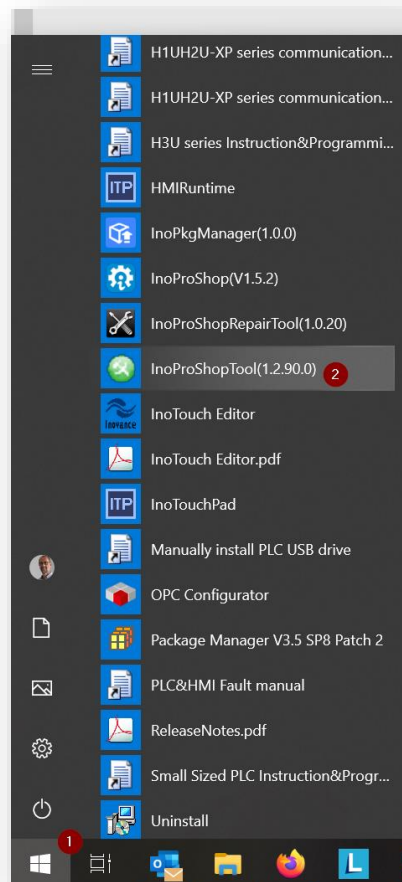
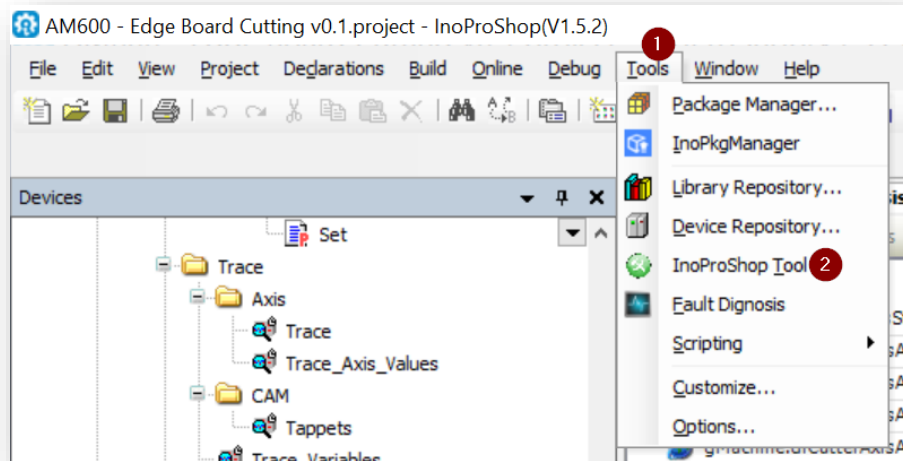
+	SD	SysDir, 3.5.8.0 (System)	SysDir	3.5.8.0
+	SD	SysFile, 3.5.9.0 (System)	SysFile	3.5.9.0



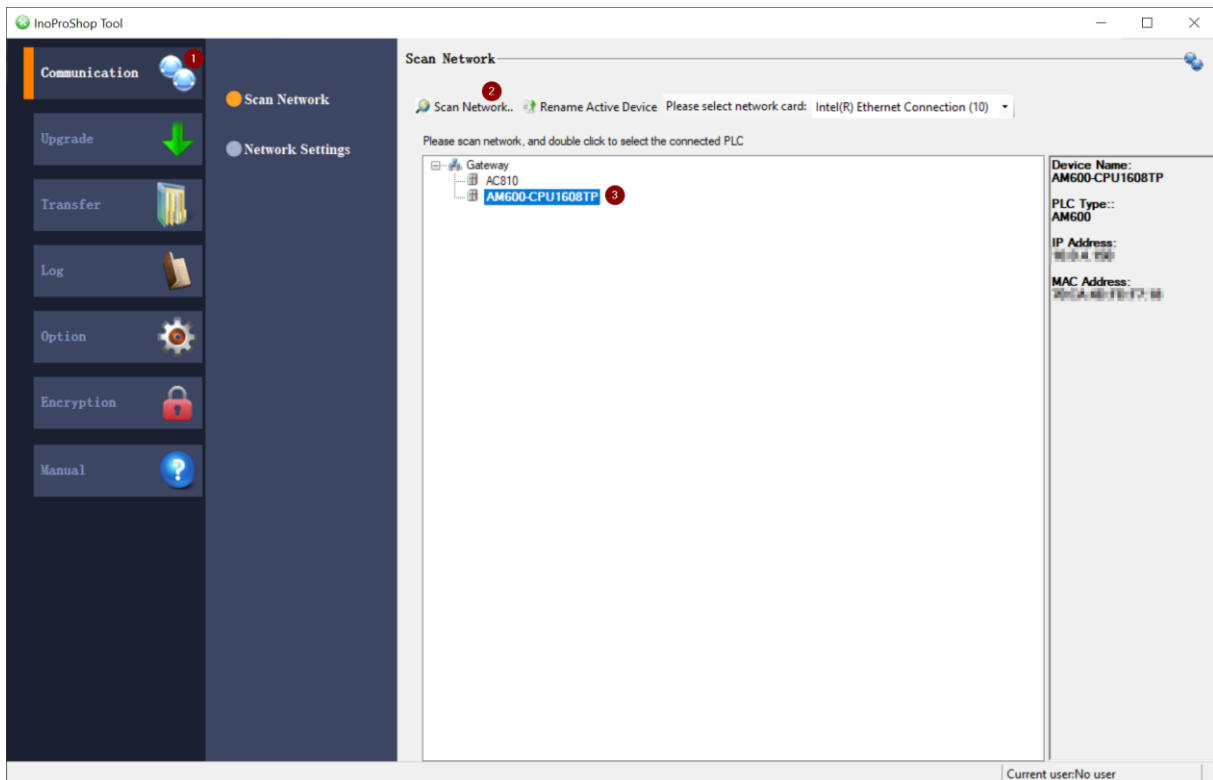
## 3.2 INOSHOPPRO TOOL

To be able to use this method it is necessary to enable the SAMBA protocol in windows. Refer to 3.5 ENABLE SAMBA ON WINDOWS 10.

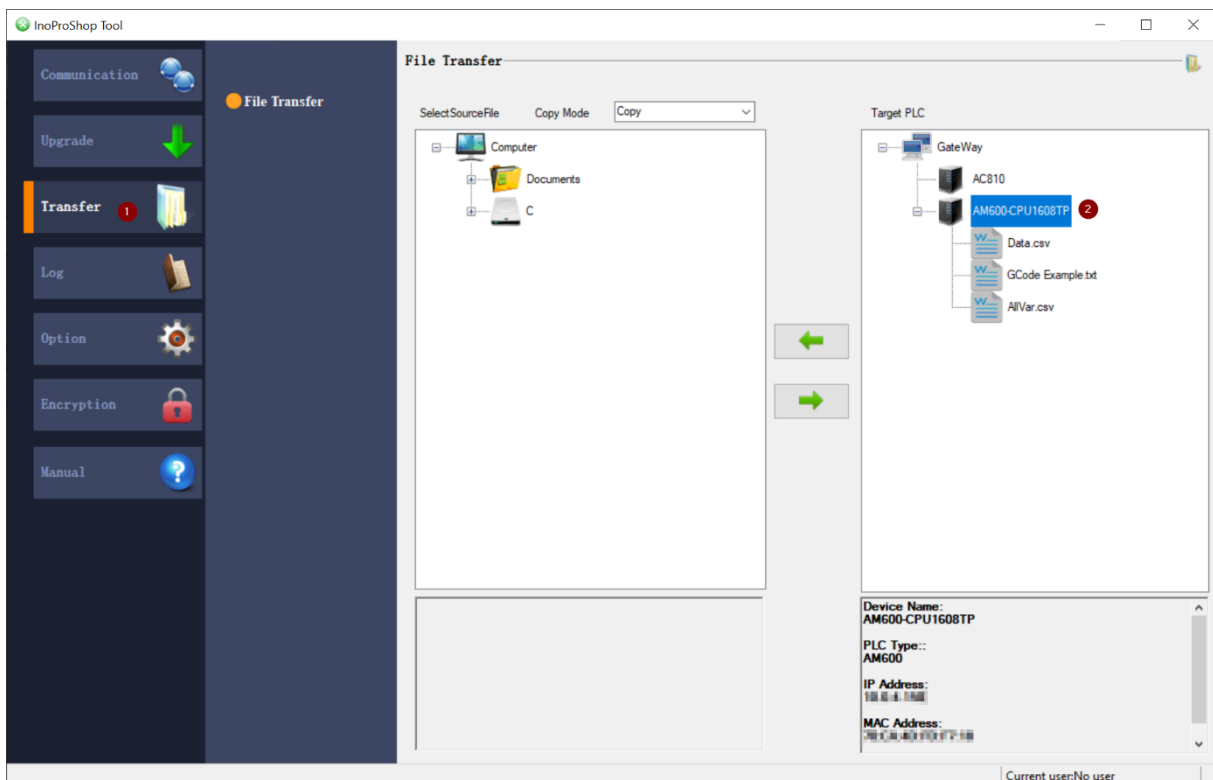
Open InoProShop Tool from program interface or from Windows Initial menu.



Select the target device:



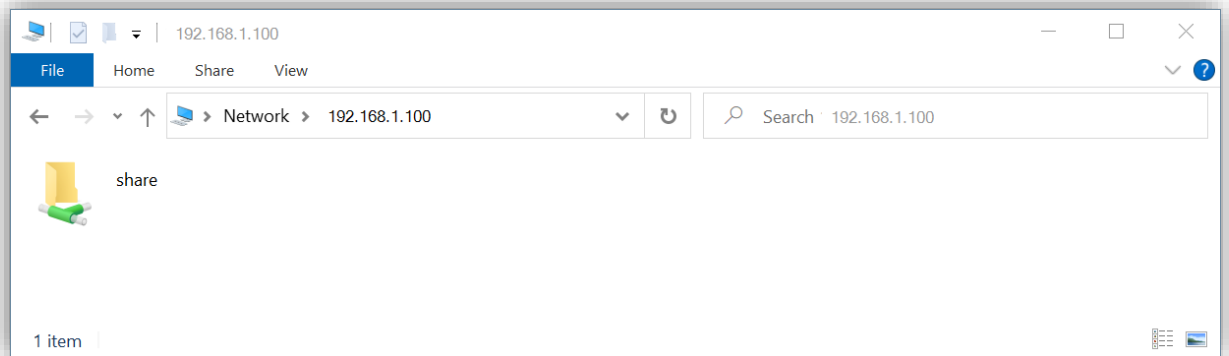
Using this tool it is possible to read or write files in the internal memory of the AM600. These files can then be used in the internal program of the AM600 accessing to this folder **/AM600-nand/share/**.



## 3.3 WINDOWS 10 FILE EXPLORER

To be able to use this method it is necessary to enable the SAMBA protocol in windows. Refer to 3.5 ENABLE SAMBA ON WINDOWS 10.

1. Open file explorer (Press Windows Key + E)
2. Enter AM600 IP Address. Ex.: \\192.168.1.100



3. Access to this "share" folder to read/write files
4. This files are stored in the folder **/AM600-nand/share/**



## 3.4 THROUGH IT7000 USB PORT

Through the USB port of the IT7000 it is possible to send a file of any type to the AM600 controller. Follow the steps below to send a file to the AM600 controller:

1. Insert USB device to IT7000 USB port
2. "Password" window below appears. Enter password "111111"

Login

Back

HMI device type: IT7100E

HMI Runtime version: 103.0.8.8.10-R(2020-07-22)

HMI AutoRun version: 103.0.8.8.10-R(2020-07-22)

Enter password:

Login

3. Download screen appears. Select "Mount Device" as USB, and then select the file and click on "GCode" button

Download

Back

Mount device: USB Export Code Selection: GBK

Name	Size	Type	Date Modified
Back Up Your Files to the Clo...	394 KB	pdf File	12 Jan 2017 19:49:52
FileExample.txt	890 bytes	txt File	7 Mar 2021 18:19:02
Recipe_1_2021-03-07 18-19-3...	890 bytes	csv File	7 Mar 2021 18:19:30
SanDiskSecureAccessV3.1 wi...	8.2 MB	exe File	20 Sep 2016 21:54:48

PLC Update Port: COM1 RS485

Update: PLC Pro. HMI Pro. Gcode

Export: Record SystemLog Recipe Data LocalScreenshots

Import: Recipe Data Logo

4. Enter the IP address of the AM600 in the dialog that appears

Download

Back

Mount device: USB Export Code Selection: GBK

Name	Size	Type	Date Modified
Back Up Your Files to the Clo...	394 KB	pdf File	12 Jan 2017 19:49:52
FileExample.txt	890 bytes	txt File	7 Mar 2021 18:19:02
Recipe_1_2021-03-07 18-19-3...	890 bytes	csv File	7 Mar 2021 18:19:30
SanDiskSecureAccessV3.1 wi...	8.2 MB	exe File	20 Sep 2016 21:54:48

IP Address: 192 . 168 . 1 . 100

Yes No

PLC Update Port: COM1 RS485

Update: PLC Pro. HMI Pro. Gcode

Export: Record SystemLog Recipe Data LocalScreenshots

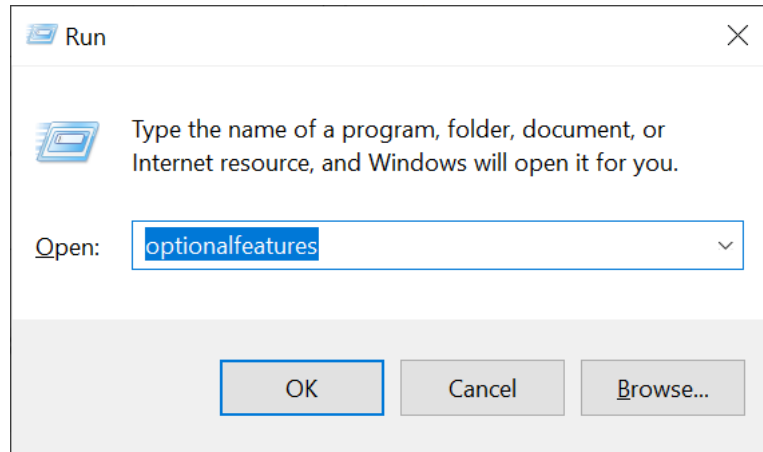
Import: Recipe Data Logo

5. The file is transferred to the folder **/AM600-nand/usrdownload/** inside AM600 controller

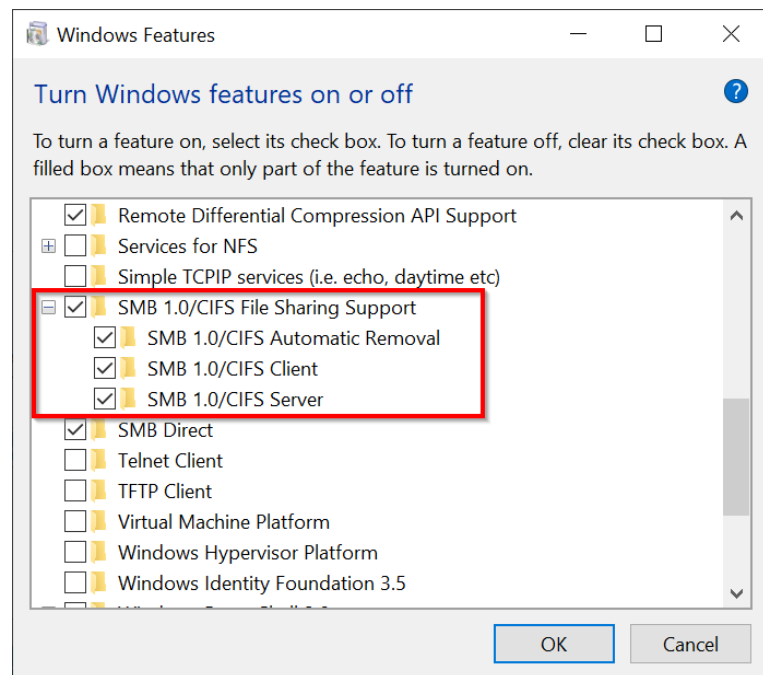
## 3.5 ENABLE SAMBA ON WINDOWS 10

In order to access the internal files of the AM600, it is necessary to activate the SAMBA services in windows 10. Follow this procedure to enable SAMBA services on Windows 10:

1. Press Windows Key + R to bring up the run dialog and type: **optionalfeatures**



2. Expand "SMB 1.0/CIFS File Sharing Support" and then check the box next to "SMB 1.0/CIFS Client"



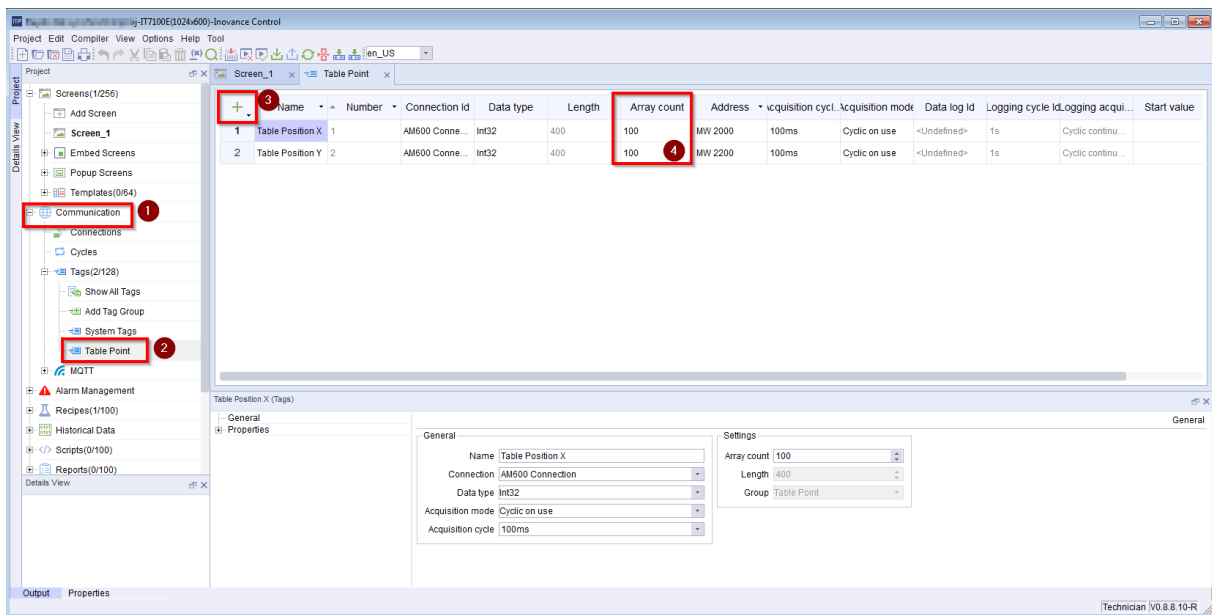
3. Click OK
4. The installation will now proceed
5. Reboot operating system

## 4 READ/WRITE DATA TO AM600 THROUGH IT7000 RECIPES

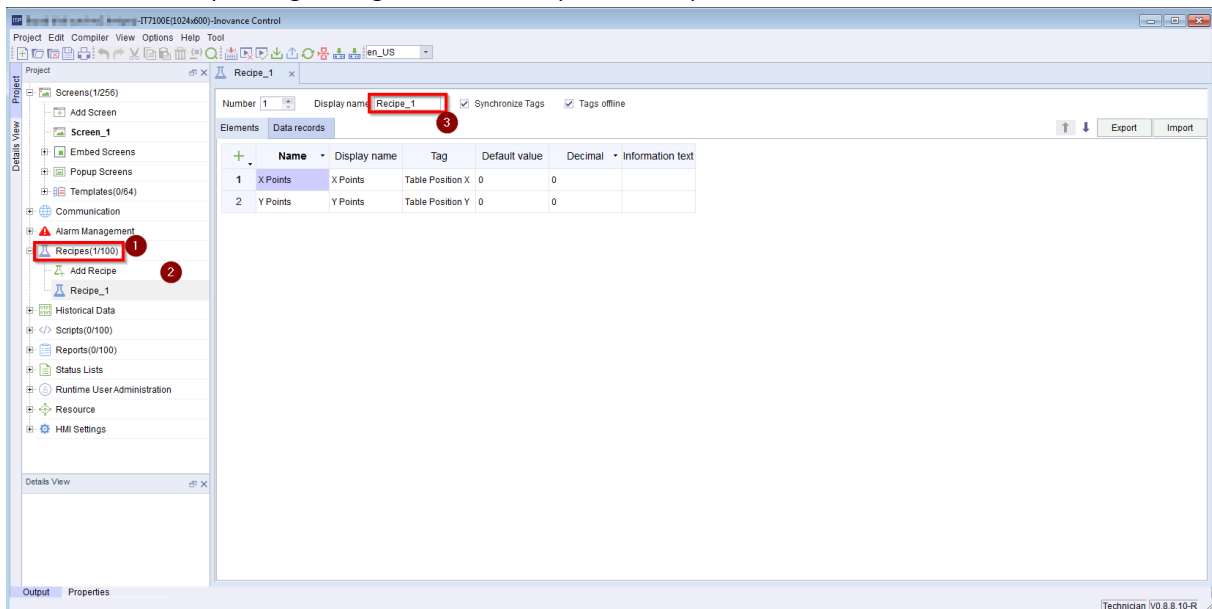
Another possible way to transfer data to the AM600 is by using the recipe functions that the I7000 has. For example, a table of points can be defined as a recipe that can then be imported / exported through a csv file, which can be read / written with the SD card or the USB port.

Follow below procedure to import a table of points from USB/SD card to AM600 variables.

1. Create PLC tags. Using InoTouchPad, create an array of dots linked to the AM600's MW memory address



2. Add a recipe using the tags created in the previous step



3. Read/write recipe from/to csv file using IT7000 control panel. To access to control panel there are two methods described in the section 4.1 Open IT7000 control panel

- Go to download icon and the next screen appears. Select the “Mount device”

Download Back

Mount device: **USB** Export Code Selection: GBK

Name	Size	Type	Date Modified
FileExample.txt	890 bytes	txt File	7 Mar 2021 18:19:02
Recipe_1_2021-03-07 18-19-3...	890 bytes	csv File	7 Mar 2021 18:19:30
Recipe_1_2021-03-09 10-02-3...	5 KB	csv File	9 Mar 2021 10:02:31
SanDiskSecureAccessV3.1 wi...	8.2 MB	exe File	20 Sep 2016 21:54:48

PLC Update Port: COM1 RS485

Update: PLC Pro. HMI Pro. Gcode

Export: Record SystemLog Recipe Data LocalScreenshots

Import: Recipe Data Logo

- Click on “Export:/Recipe Data” to export the recipe data to a csv file

Download Back

Mount device: USB Export Code Selection: GBK

Name	Size	Type	Date Modified
RecipeDataRecords		Folder	7 Mar 2021 17:53:14
Recipe_1_2021-03-07 17...			7 Mar 2021 17:06:24
Recipe_1_2021-03-07 17...			7 Mar 2021 17:53:14
RecipeFile - Conv.csv			7 Mar 2021 18:42:24

PLC Update Port: COM1

Update: PLC Pro. HMI Pro. Gcode

Export: Record SystemLog Recipe Data LocalScreenshots

Import: Recipe Data Logo

select recipe: All Recipes

Yes No

- When the process is finished, the next message appears, and the csv file is created in the root folder of USB or SD card

Download Back

Mount device: USB Export Code Selection: GBK

Name	Size	Type	Date Modified
FileExample.txt	890 bytes	txt File	7 Mar 2...
Recipe_1_2021-03-07 18-19-31.csv	890 bytes	csv File	7 Mar 2...
Recipe_1_2021-03-09 10-02-31.csv	5 KB	csv File	9 Mar 2...
SanDiskSecureAccessV3.1 win exe	8.2 MB	exe File	20 Sep...

PLC Update Port: COM1 RS485

Update: PLC Pro. HMI Pro. Gcode

Export: Record SystemLog Recipe Data LocalScreenshots

Import: Recipe Data Logo

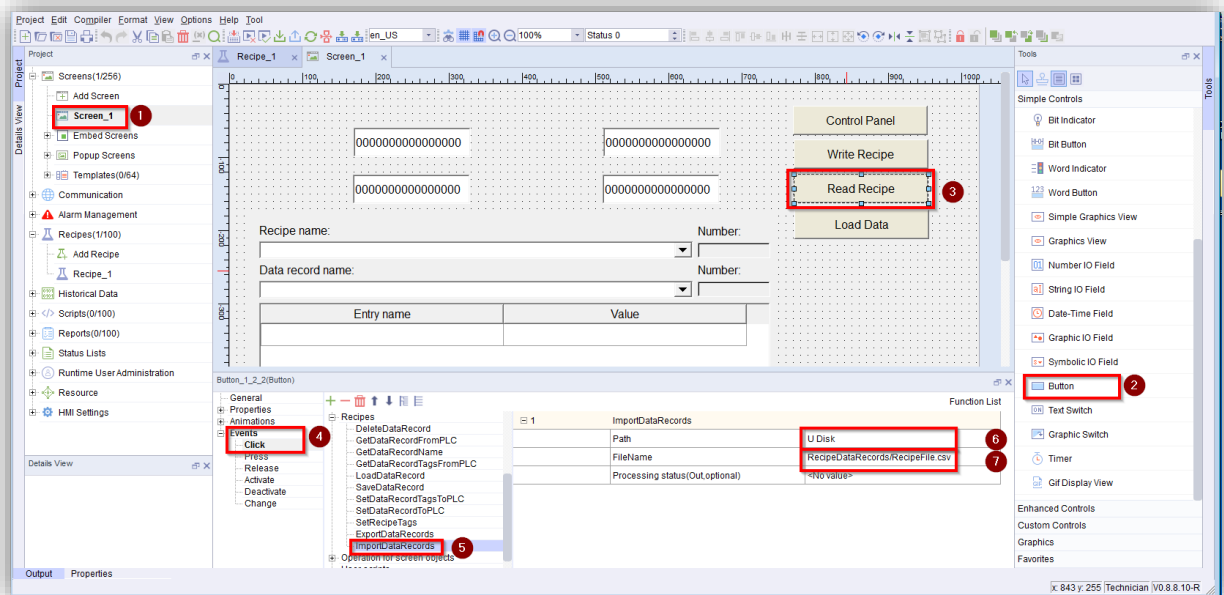
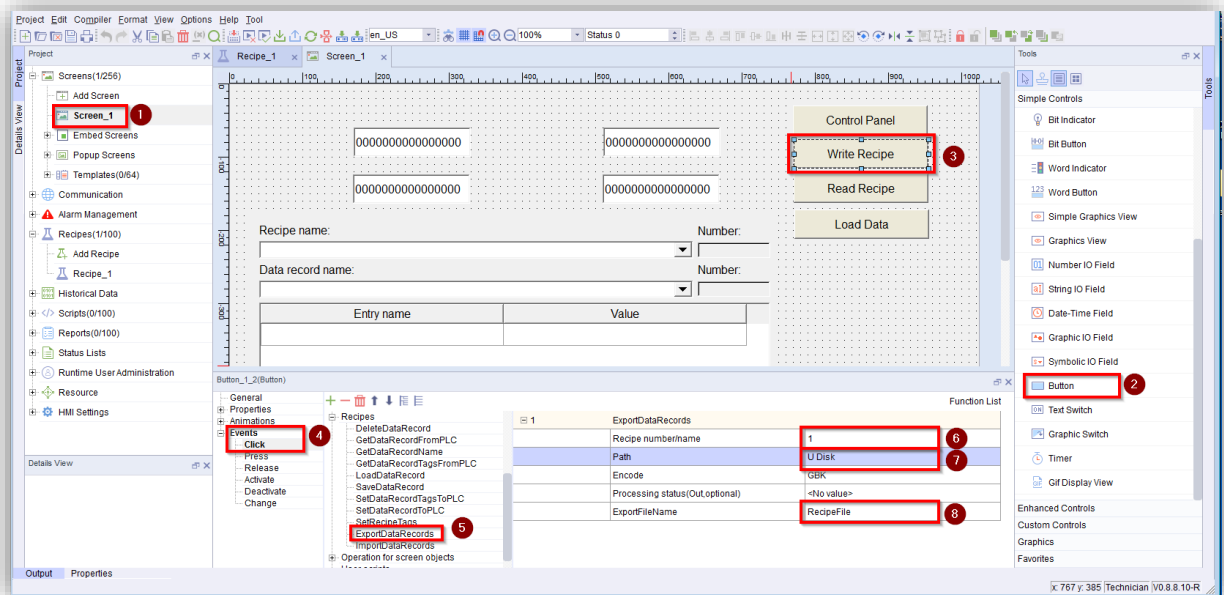
Export successfully!

OK

7. It is also possible to write/read recipe to/from csv file using HMI button events. In the HMI screen, create a button and set the click event to “ExportDataRecords” and “ImportDataRecords”
- IMPORTANT:** Import file name should be the same as export but adding “/RecipeDataRecords/” and the extension “.csv”, because export function saves the csv file in that folder. Ex:

**Export file Name :** RecipeFile

**Import file Name:** /RecipeDataRecords/RecipeFile.csv



## 4.1 OPEN IT7000 CONTROL PANEL

To enter to the IT7000's control panel, follow below steps.

1. Power off touch screen
2. Keep pressing the screen and power on touch screen until the "password" window below appears

3. Enter the default password: 111111

4. The system configuration screen appears

It is also possible to access to the control panel through HMI button events. In the HMI screen, create a button and set the click event to “OpenControlPanel”.

