

# Release Note Smart Info FW version 1.C

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**Firmware Release**

1.C

**Firmware filename**

SmartInfo.SIMSTD1C.bin

**Application ID**

SIMSTD1C

**Firmware file size**

190 kB

**Release Date**

12/03/2017

**Previous Firmware release**

1.A

## Revised Features 1C:

### 1. Added new commands to support the assessment of the power line communication link

It is recommended update to 1C release, to exploit the possibility to rely on a real-time check of the:

- proper functionality of the power line modem of a Smart Info device;
- actual effectiveness of the powerline communication link between the Smart Info device and the target Smart Meter.

The first test can be exploited in a test environment, while it is possible to take advantage of the second testing functionality in the production environment.

### 2. Added new commands to format the File System and to reboot the device

The “Format File System” command introduces the possibility to recover from any permanent configuration to the factory defaults. This command shall be used according to firmware update requirements, provided along with relevant firmware release note.

The effectiveness of the command occurs at the next reboot/power up. So, programmatically, the newly introduced “reboot” command is usually followed.

### 3. Added new diagnostic notification

In case it has not been possible for Smart Info to receive validly updated information from the primary Smart Meter for a time interval longer than 1 hour, the firmware switches to a minimum functionality mode, until the expected performance level is recovered.

A proper notification is generated accordingly.

## Release Features 1A:

### 1. First issue

This firmware release is the first release made available for Smart Info devices sold by e-distribuzione.

## Note:

Smart Info devices bought from 08/03/2017 are equipped with Firmware release 1.A.

## Revisions history

### Firmware

Product	Firmware Version	Release Date	Issues Detected	Issue detection date
STM32F101	SIMSTD1A	08/03/2017	No issue detected	NA
STM32F101	SIMSTD1C	12/03/2018	No issue detected	NA

### Software Tools

Product	Software Version	Release Date	Issues Detected	Issue detection date
Aggiorna SmartInfo	1.3	08/03/2017	auto-USB-plug: crashes in some circumstances	20/04/2017
Aggiorna SmartInfo	1.4	20/05/2017	No issue detected	NA
Configura SmartInfo	1.0	08/03/2017	auto-USB-plug: crashes in some circumstances	20/04/2017
Configura SmartInfo	1.1	20/05/2017	No issue detected	NA

## Smart Info Software Tools:

The Smart Info software tools offered by e-distribuzione are:

- Configura SmartInfo: Utility to upload the Smart Info configuration script.
- Aggiorna SmartInfo: Utility to update the Smart Info firmware.


## System requirements

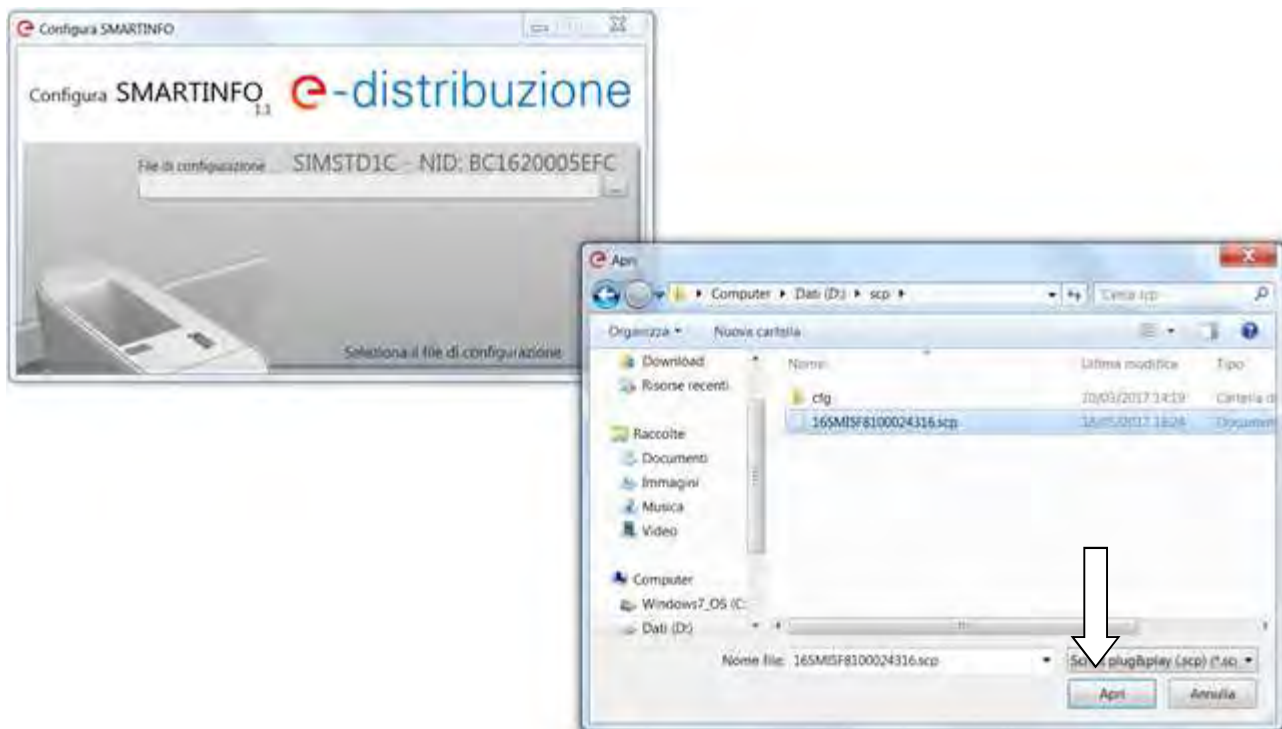
- OS Windows Microsoft: XP, 7, 8.1
- Disk space requirements: minimum 50 MB

## Smart Info configuration

1. Plug the Smart Info to a mains socket
2. Connect the Smart Info Mini-USB port type B connector to a computer USB port
3. The computer Operating System handles Smart Info as a serial device and assigns a specific COM port
4. Start software tool Configura SmartInfo
5. The Configura SmartInfo application recognizes the USB cable connection and detect the COM port assigned by the computer Operating System:



6. If Smart Info is properly detected, the software tool then shows the Application ID resident on the Smart Info device and the Smart Info serial NID
7. Upload configuration file (.SCP) by selecting the button:  a windows will be opened to select a script file from the computer file system




8. Select the "Aggiorna" button to start the script upload
9. The PC system clock is uploaded onto Smart Info
10. Do not disconnect Smart Info device until the procedure ends. The correct procedure result is shown by the following output:

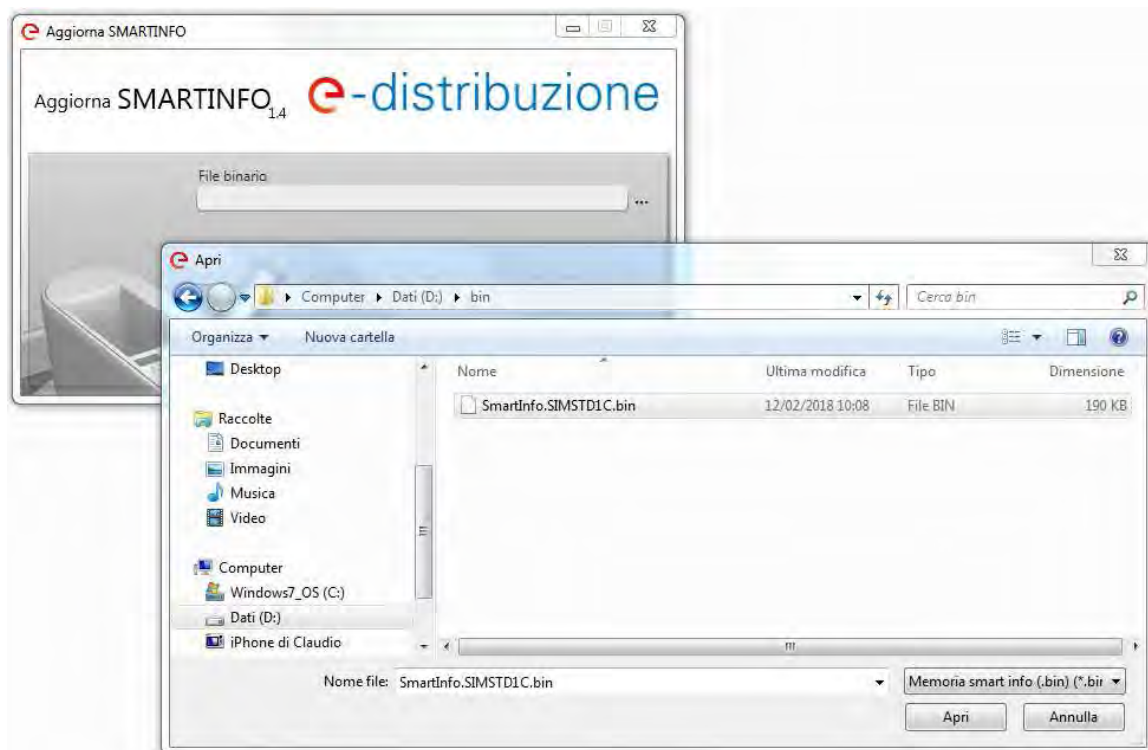


## Smart Info firmware update

1. Plug the Smart Info to a mains socket
2. Connect the Smart Info Mini-USB port type B connector to a computer USB port
3. The computer Operating System handles Smart Info as a serial device and assigns a specific COM port
4. Start the software tool Aggiorna SmartInfo



5. Select the firmware<sup>1</sup> file by using the option : a windows will be opened to search for a file from the computer file system



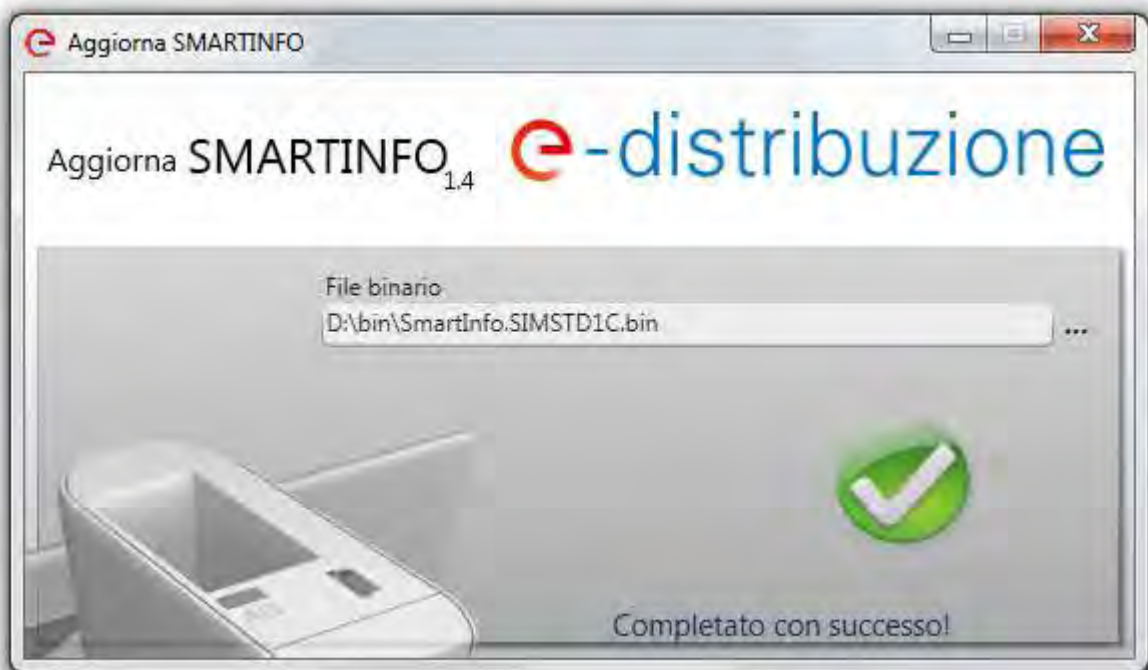
<sup>1</sup> Use firmware versions officially released by e-distribuzione only.



6. Push the button **Aggiorna** to start the installation of the selected firmware version<sup>2</sup>



7. Do not disconnect Smart Info device until the procedure ends. The correct procedure result is shown by the following output, indicating that the firmware has been properly updated.



<sup>2</sup> Attention: this operation deletes the firmware previously installed on the Smart Info device; it will not be possible to restore the previous firmware version.

# e-distribuzione Smart Info driver installation guide

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## Select the operating system installed on your PC

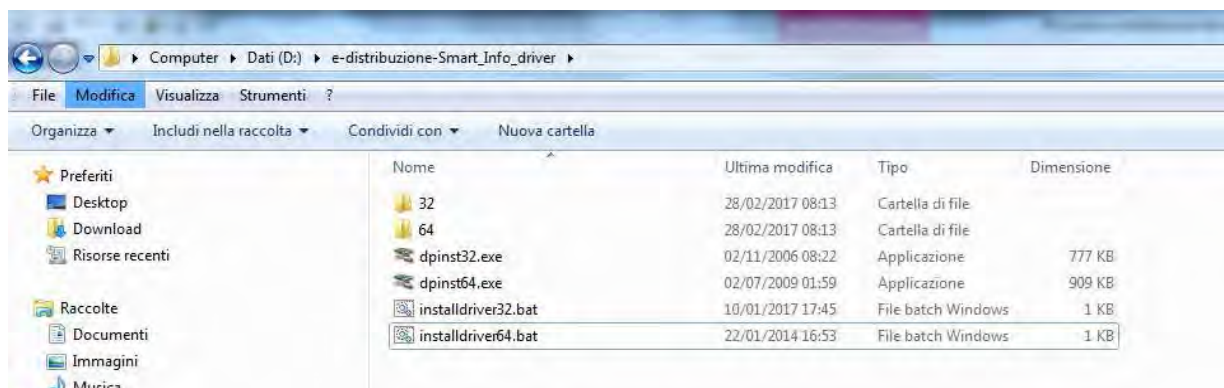
- [Windows 7 – Window 8](#)
- [Windows 10](#)
- [Others OS](#)

## Windows 7 – Windows 8

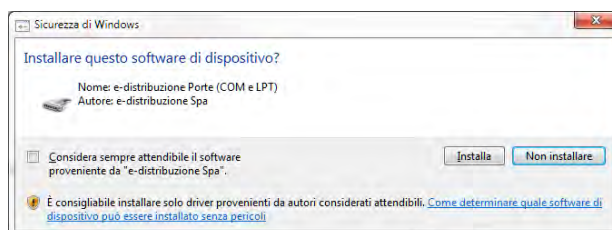
The procedure hereinafter described shall be executed **before connecting** the Smart Info to the PC USB port. In case of any problem, refers to the [Manual installation procedure](#).

### Installation Procedure:

1. **Select and Run the launcher according to the architecture of your PC (64 – 32 bits)**  
**Use the installdriverXX.bat**



2. **Acknowledge the request to install device by clicking on the “Install” button**

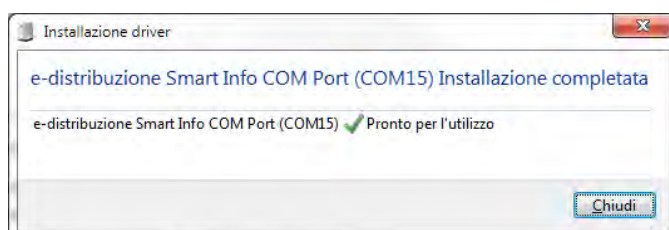


3. **Plug the Smart Info to the mains and connect the Smart Info mini-USB port to the PC USB port**
4. **Wait for the installation to complete**



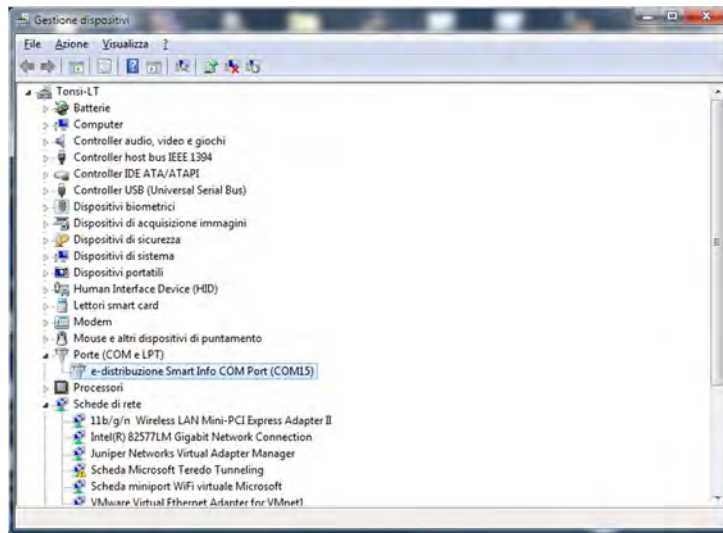
5. **The successful installation will be shown by the following message**

The COM port number COMxx is the reference used by the e-distribuzione software tools






6. Open the “DEVICE MANAGER” and verify that a new entry in the class “COM & LPT Ports” is listed with name “e-distribuzione Smart Info COM Port (COMxx)”

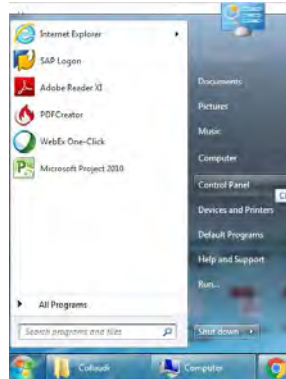


### Note:

In case an older version of the driver would already be present, connect the Smart Info to the PC and open the “Device Manager” window. Right-click on the device and force “uninstall”. It will then be possible to proceed with the installation procedure described above.

## Manual installation procedure

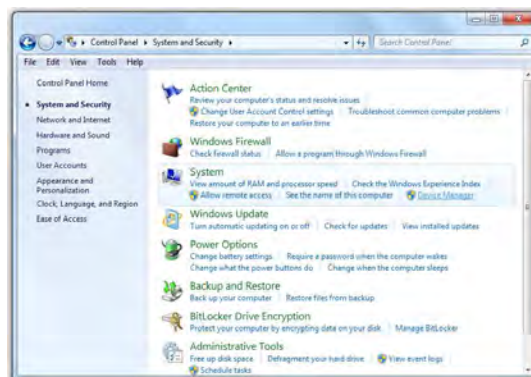
1. Select Start button  -> Control Panel. For Windows 8 press the icon on the yellow folder, placed on the application bar. To enter the "Control Panel" select the relevant icon on the displayed menu item:



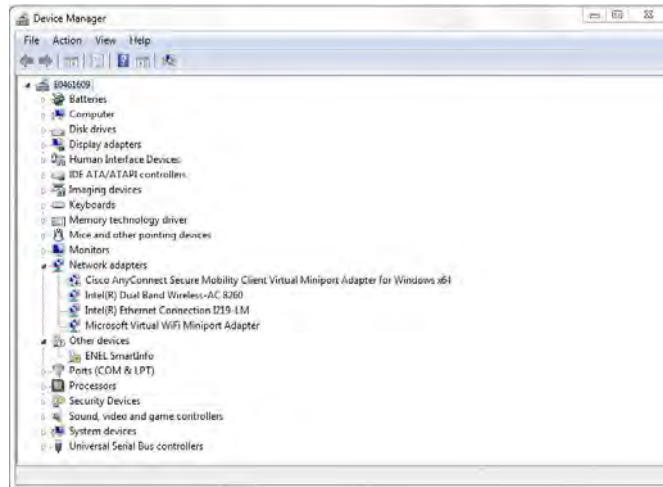
2. From "Control Panel" select "System and Security" option:



3. From "System" menu item, select "Device Manager":



**4. Double click, in the system device list the item with marked with a yellow question mark:**

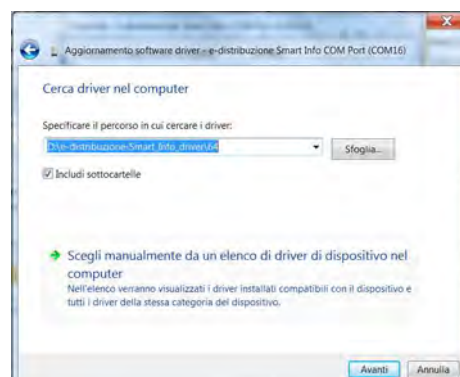


**5. In the folder “General” select the option “Update Driver”:**

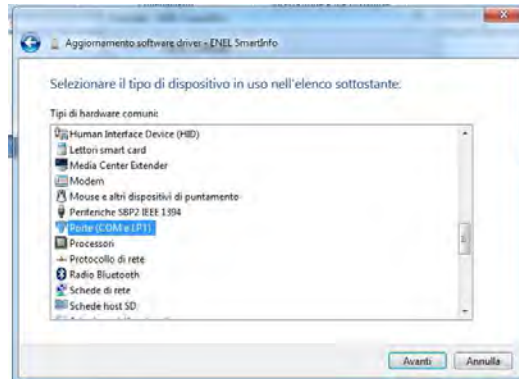


**6. In the update driver installation procedure wizard:**

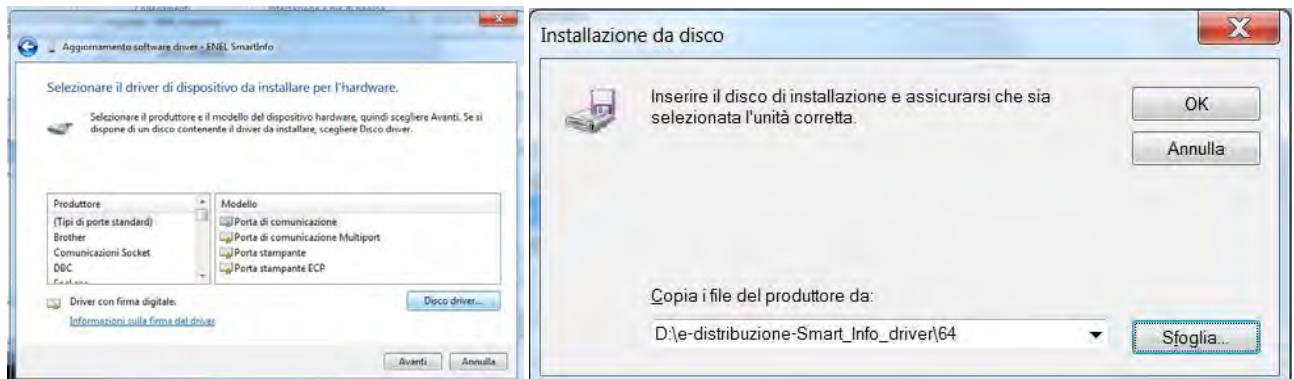
- a. Firstly select the options “Browse on my computer for driver software”
- b. Secondly select “Let me pick from a list of device drivers on my computer”



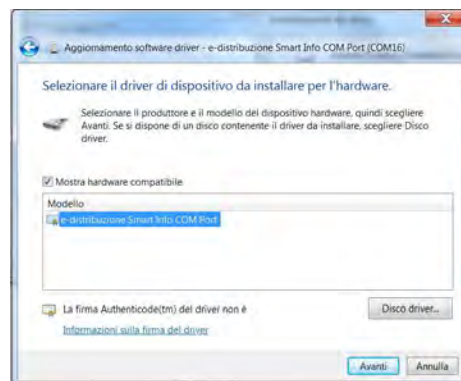
**7. In the device list, select Ports (COM and LPT) and push Next:**



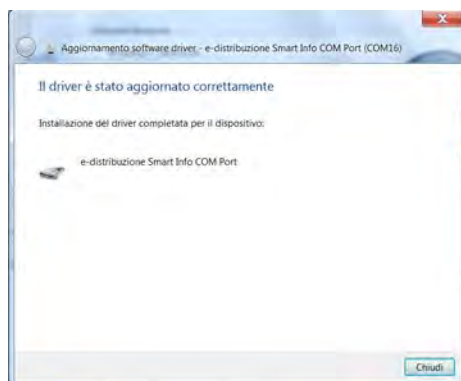
**8. Select option “Hard Disk” and then “Browse” to select the folder ...\\Drivers\\32 or ...\\Drivers\\64, according to the operating system type (32 or 64 bits):**



**9. Select the device type “e-distribuzione Smart Info COM Port”:**



## 10. The driver installation is complete:



## Windows 10

On Windows 10 OS it is not necessary to implement the installation procedure described above for Windows 7 – Windows 8 OS. No specific driver is needed to support the Smart Info.

### Installation Procedure:

1. Plug the Smart Info to the mains and connect the Smart Info mini-USB port to the PC USB port
2. Wait for the installation to complete
3. Open the “DEVICE MANAGER” window and verify that a new entry in the class “COM & LPT Ports”. The Smart Info is present as a generic virtual COM.

### Note:

Software tools provided by e-distribuzione work identifying the Smart Info as a generic virtual COM port and do not need the specific e-distribuzione driver installation.

If it is required to identify the Smart Info with the indication “e-distribuzione Smart Info”, please follow the procedure described for the Windows 7 OS.



## Others OS

For Linux and Mac OS the Smart Info is managed as a hardware driver. The slave mini Type B USB port behaves as a CDC ACM dual point.

### Note:

No e-distribuzione software tools are currently available for Linux and Mac OS.