

	Document Technical Specification	version: v1.00 status: date: 2019-10-31
<i>project title:</i> PUR-DESK-500U-4CH-P – User Manual		org

# Passive UHF RFID Reader

## PUR-DESK-500U-4CH-P

### USER MANUAL

20191031_EN_UM - PUR-Desk-500U-4CH-P_v1.00.docx	created by: Stefan Detter	page: 1 von 5
---	---------------------------	---------------

 <b>RF-Embedded GmbH</b>	Document Technical Specification	version: v1.00 status: date: 2019-10-31
<b>project title:</b> PUR-DESK-500U-4CH-P – User Manual		org

## 1 Plug-In

To start working with the PUR-DTR-100U, plug the USB connector into a free USB port of your computer. The PC will then ask you for a valid driver.

## 2 Driver

The driver can be found in the installation package of any software from RF-Embedded. The driver for the USB device is always stored in the directory of the installation directory of the Software.

E.g. `C:\Program Files\RF-Embedded\Reader Suite 1.61\driver`

The driver can also be found on the Download Server in the directory `Software\Driver`.

If more information for other operating systems is required, please refer to the manual “USB Reader – Installing Driver”.

## 3 Software

There are multiple software packages for this reader. The following list shows their purpose:

- **Reader Suite:**  
Discover the full functionality of the reader.  
The range of functions is from simple functions like reading tags up to engineering tests to analyze the reader and/or tag.
- **SmartReaderApp:**  
Easy to use application to just read the tag id and import it to any other application via keyboard input.
- **C#/Qt-SDK:**  
Open Source SDK and test driver to control the reader.

20191031_EN_UM - PUR-Desk-500U-4CH-P_v1.00.docx	created by: Stefan Detter	page: 2 von 5
---	---------------------------	---------------

	Document Technical Specification	version: v1.00 status: date: 2019-10-31
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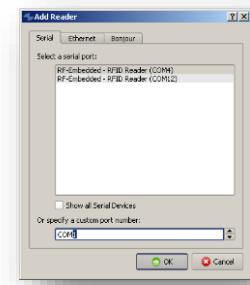
## 4 Scanning a tag

The first step to work with the Reader Suite is to add a reader. So first connect the reader you want to use and then you can either select **Menu -> Reader -> Add** in the menu bar,

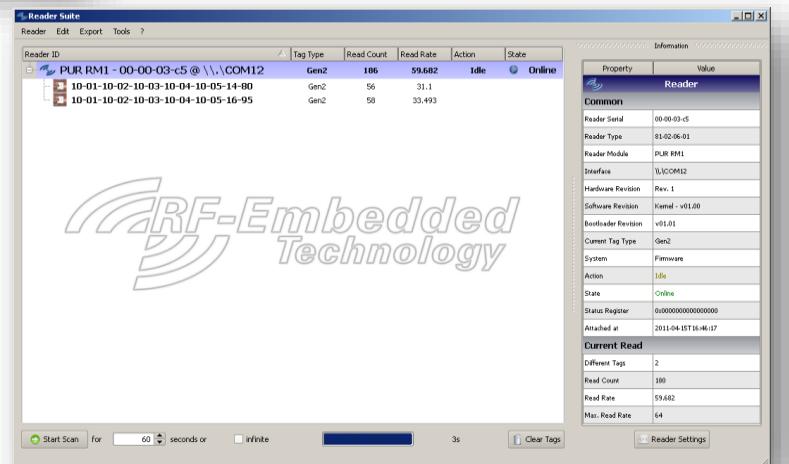


or you right click into the white space in the main window and select “**Add reader**”.

After this, a dialog appears where you can specify how the reader can be connected. You can find the reader in the “Serial” tab. Here you can select one of the shown reader or explicitly enter the COM port number. Initially the list shows only serial ports that are connected via USB and have the RF-Embedded VID and PID. If you activate the “Show all Serial Devices” check box, all available ports will be shown.



If you have either double clicked an entry in the lists or you entered an address and pressed OK, the Reader Suite will try to connect to the reader. If this was successfully, the reader will appear in the main widget of the Reader Suite:



Now you can start an inventory with the just added reader using the “Start Scan” button at the bottom left of the application. If a tag is detected, it is shown in the tree view below the reader:

For more information please refer to the manual of the Reader Suite, that can either be found on the Download Server or in the Reader Suite menu at **Menu -> ? -> User Manual**.

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<b>project title:</b> PUR-DESK-500U-4CH-P – User Manual		org

## **IC Statement**

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The term "IC: " before the certification/registration number only signifies that the Industry Canada technical specifications were met. This product meets the applicable Industry Canada technical specifications.

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Apply simultaneously ICES-003, Label to be added CAN ICES-3 (\*)/NMB-3(\*)

The label shall add the words "CAN ICES-3 (\*)/NMB-3(\*)" if apply for the ICES-003 at the same time

\* Insert either "A" or "B" but not both to identify the applicable Class of ITE.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme aux limites d'exposition aux radiations de la FCC définies pour un environnement non contrôlé. Il doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

20191031_EN_UM - PUR-Desk-500U-4CH-P_v1.00.docx	<b>created by:</b> Stefan Detter	<b>page:</b> 4 von 5
---	----------------------------------	----------------------

 <b>RF-Embedded GmbH</b>	<b>Document</b>  <b>Technical Specification</b>	<b>version: v1.00</b> <b>status:</b> <b>date: 2019-10-31</b>
<b>project title:</b> PUR-DESK-500U-4CH-P – User Manual		org

## **FCC Statement**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

20191031_EN_UM - PUR-Desk-500U-4CH-P_v1.00.docx	<b>created by: Stefan Detter</b>	<b>page:</b> 5 von 5
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