easypark
easypark V3 CLESS Reader

easypark V3 CLESS Reader User Manual

Contents

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Product Information

Specifications

- Input Voltage: +12VDC +/- 10%
- Antennas: Only 7 different antennas can be integrated
- Power Supply: USB Power supply

SAFETY INSTRUCTIONS

- **In order to power down your V3 CLESS :**
  Disconnect the V3 CLESS power supply block from the electric power supply network
- **Electrical power supply**
  Only use Flowbird CLESS reader cable
  Only use Flowbird antenna cable with it's Ferrite for EMI protection
  The V3 CLESS input voltage should be +12VDC +/- 10%
- **Reader cover Flap**
  The cover flap located on the side (see chapter – installation and removal of Sams) must be in place during normal operation
- **Warning**
  Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
  This device must be professionally installed

UNPACKING PRODUCT CONTENTS

Carefully preserve the packaging of the V3 CLESS and the antenna. It must be re-used whenever the reader is shipped.

DESCRIPTION OF THE RF READER

Reminder of Safety Instructions :
Select the recommended electrical power

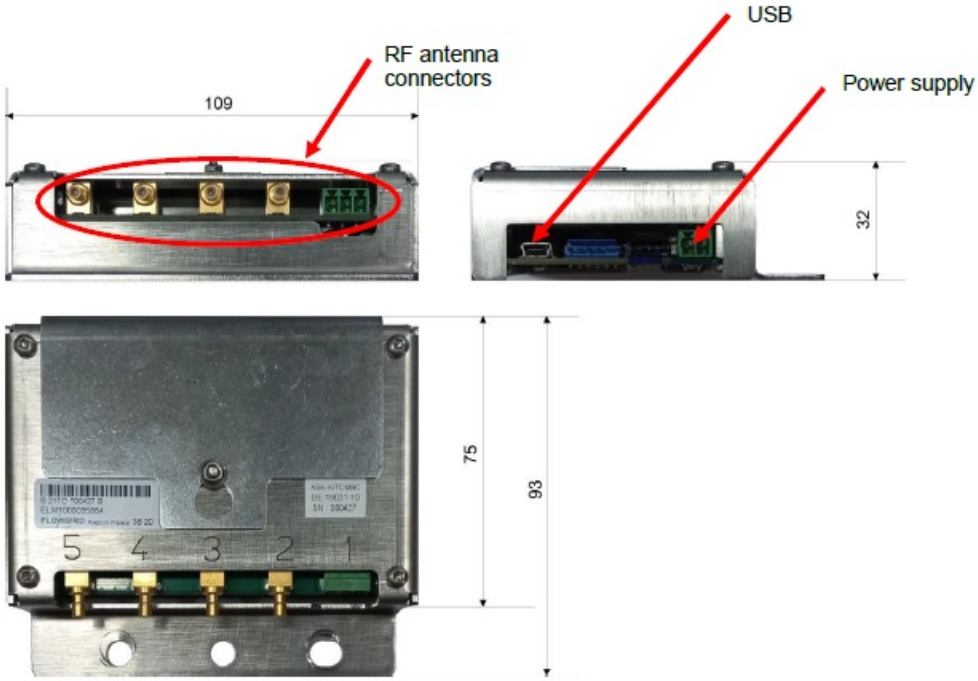
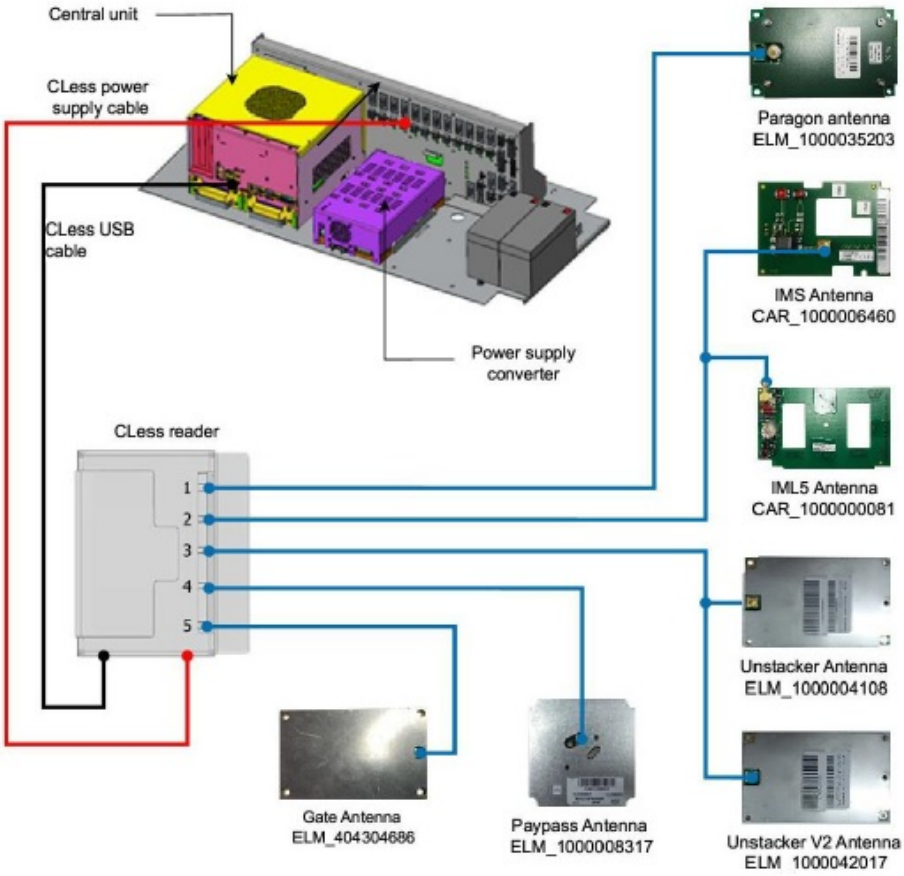


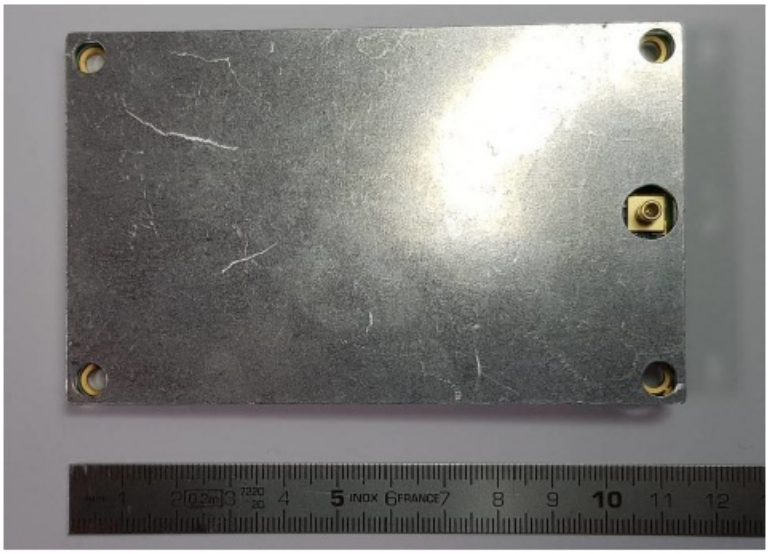
Diagram of connection



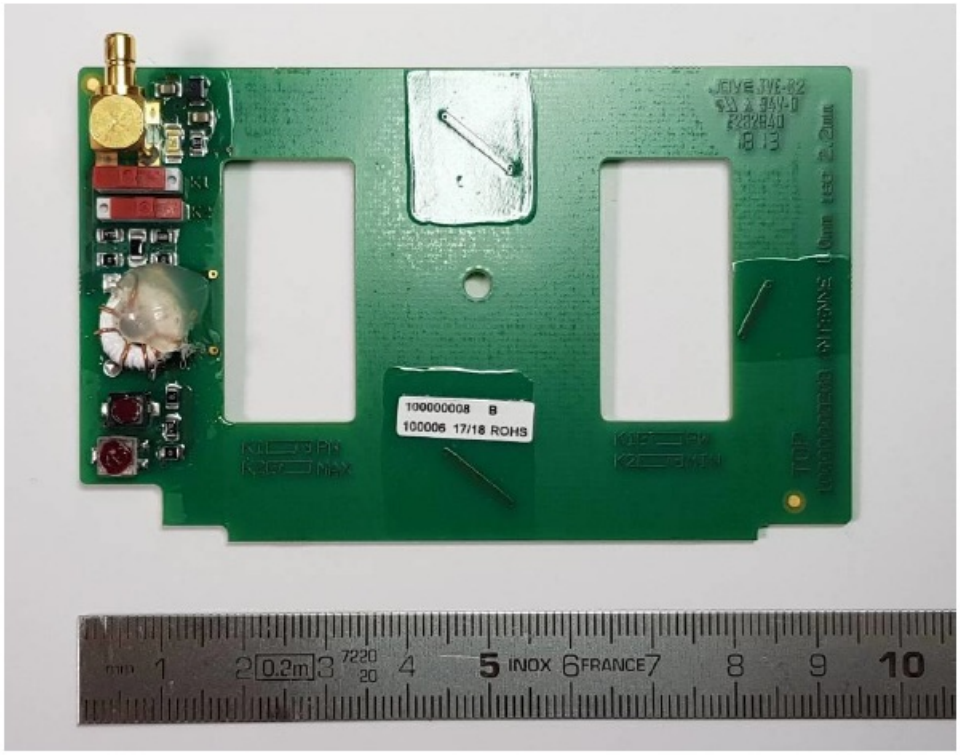
Overview

Only 7 different antennas can be integrated (ref ELM_404304686 / ELM_1000004108 / CAR_10000000081 / CAR_1000006460 / ELM_1000008317 / ELM_1000035203 / ELM_1000042017)

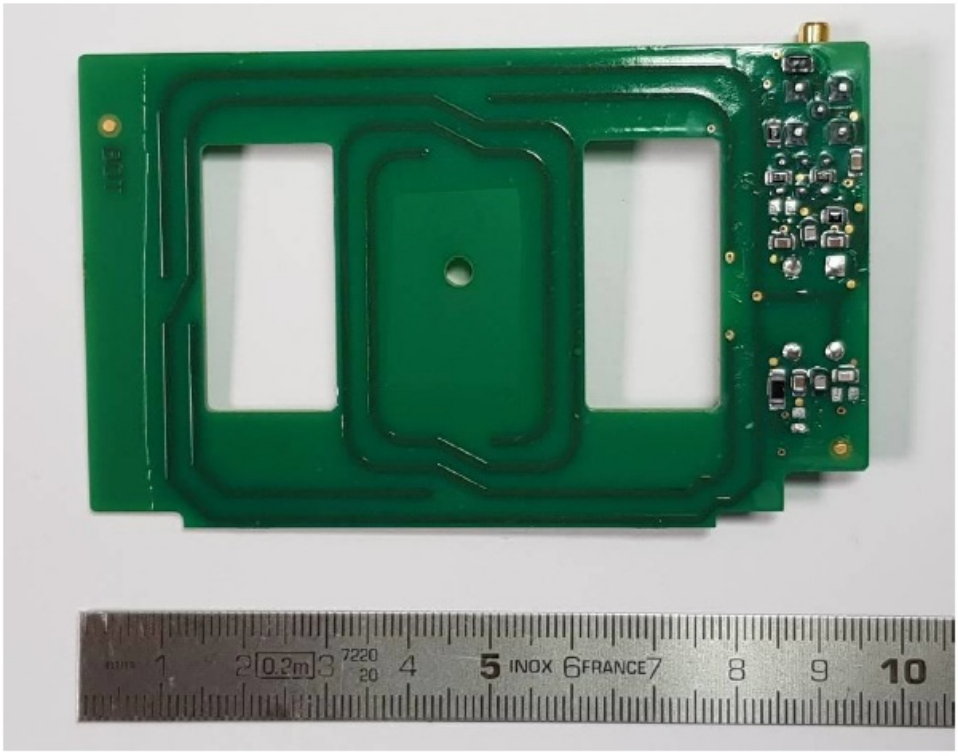
Gate antenna Top (ELM_404304686)



Gate antenna Bot (ELM_404304686)

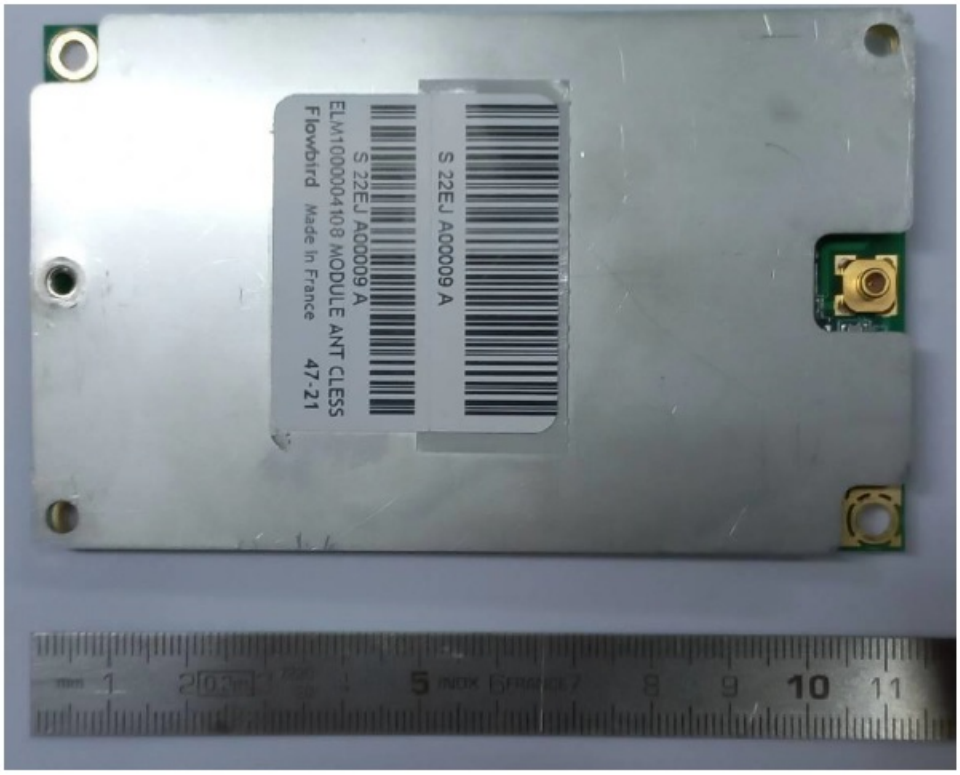


IML5 antenna Top (CAR_1000000081)

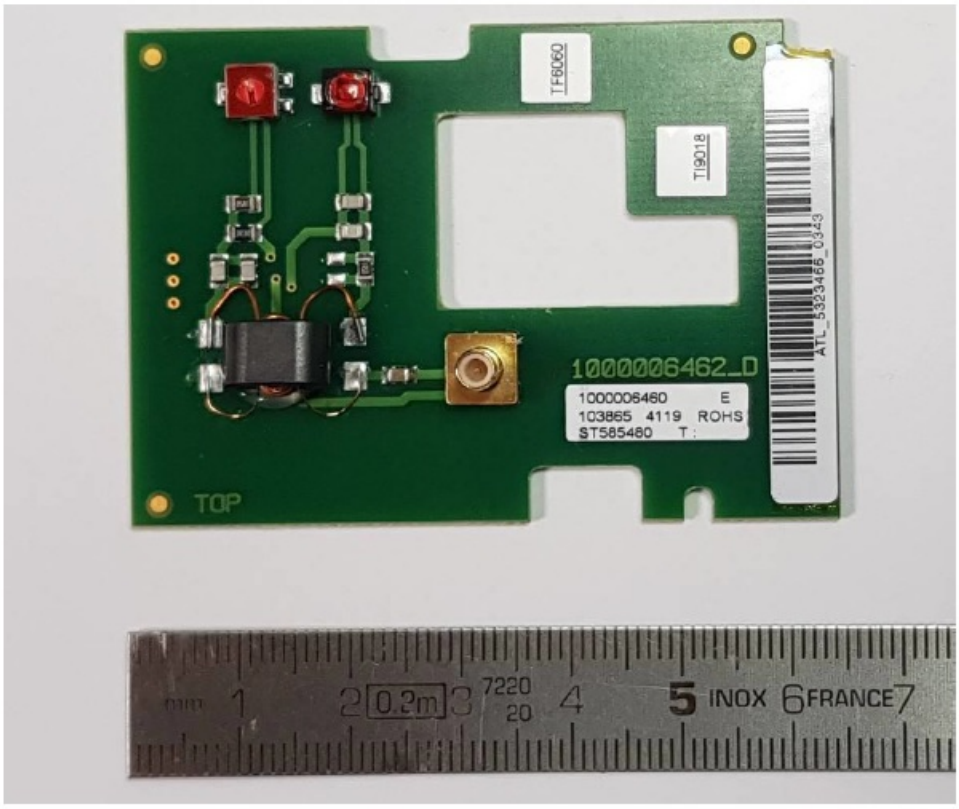


IML5 antenna Bot (CAR_1000000081)

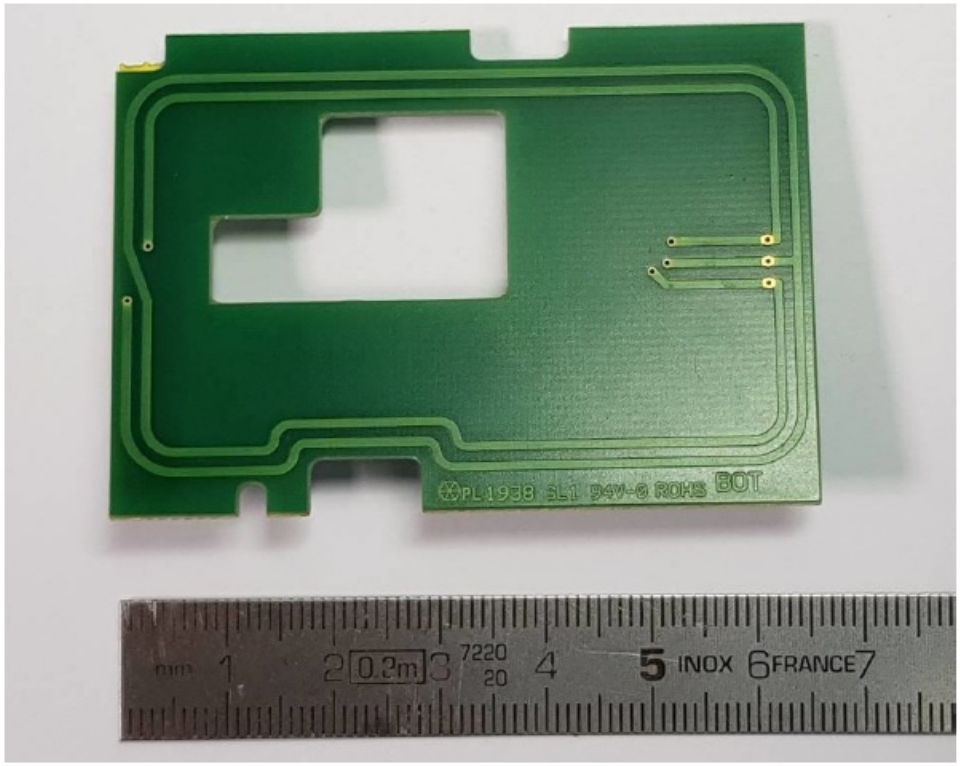
Unstacker antenna Top (ELM_1000004108)



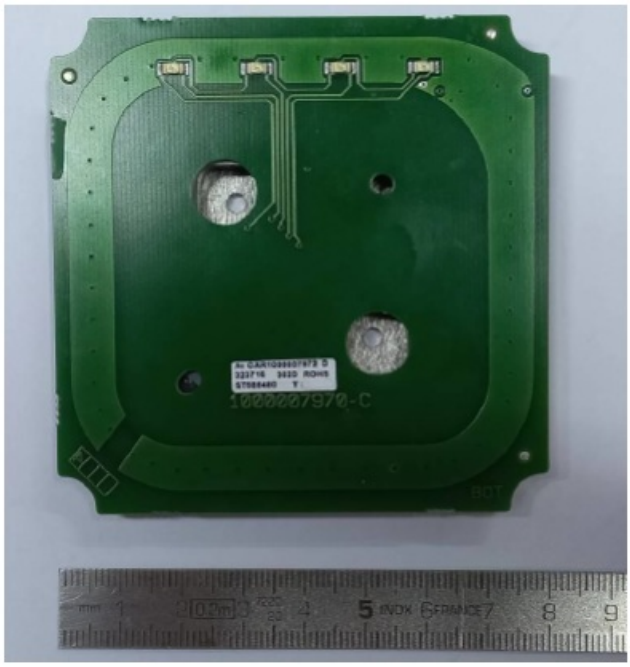
Unstacker antenna Bot (ELM_1000004108)



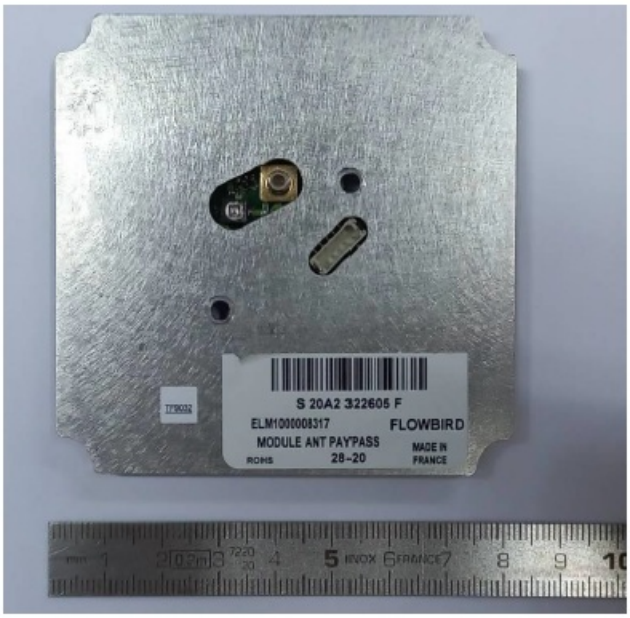
IMS antenna Top (CAR_1000006460)



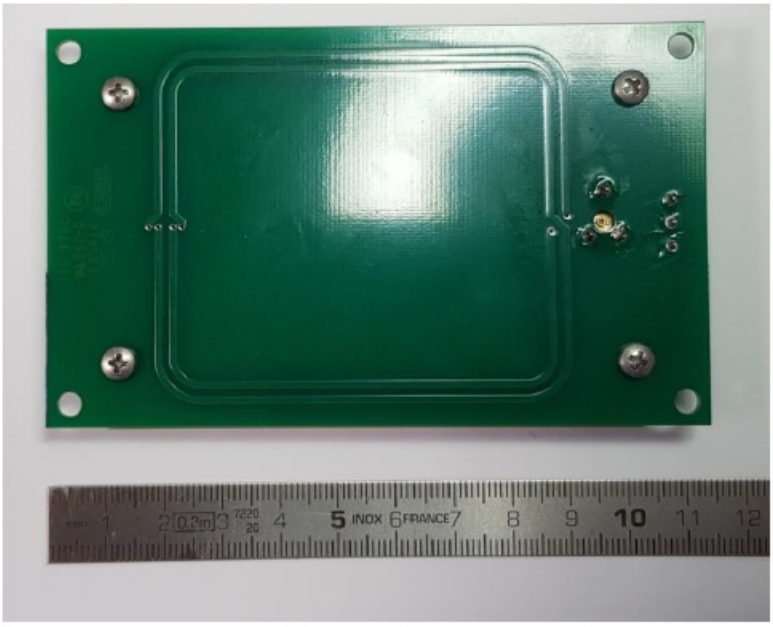
IMS antenna Bot (CAR_1000006460)



Paypass antenna Top (ELM_1000008317)

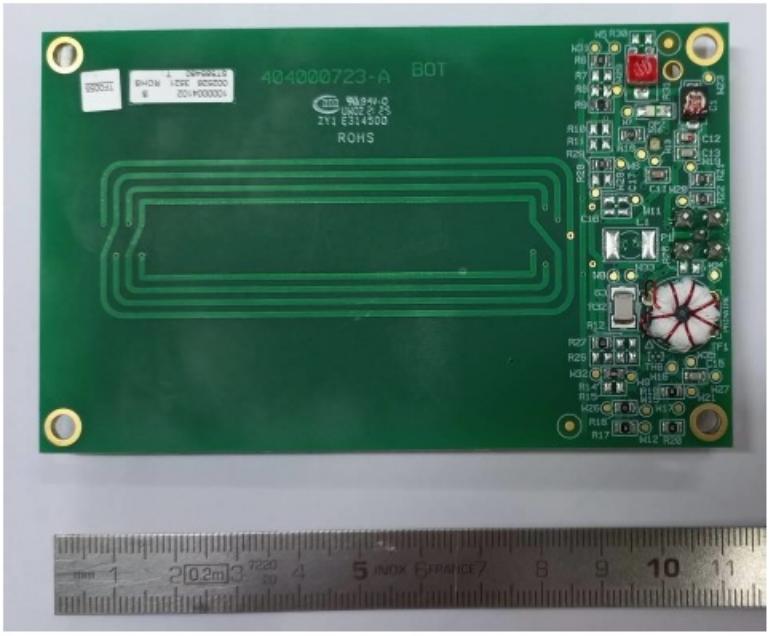


Paypass antenna Bot (ELM_1000008317)



Paragon antenna Top (ELM_1000035203)

Paragon antenna Bot (ELM_1000035203)

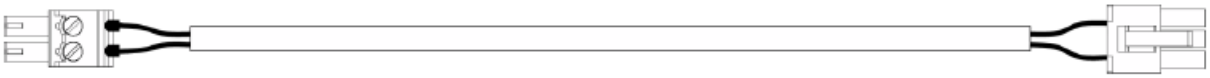


CLess unstacker V2 antenna Top (ELM_1000042017)

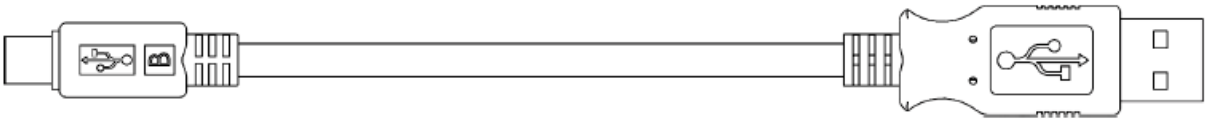
CLess unstacker V2 antenna Bot (ELM_1000042017)

Contactless reader cabling

Power cable
The CLESS reader is supplied with the connection card via a cable marked “PARAGON READER”.



Communications cable
The connection between the CLESS reader and the PC is made with a USB/mini USB cable



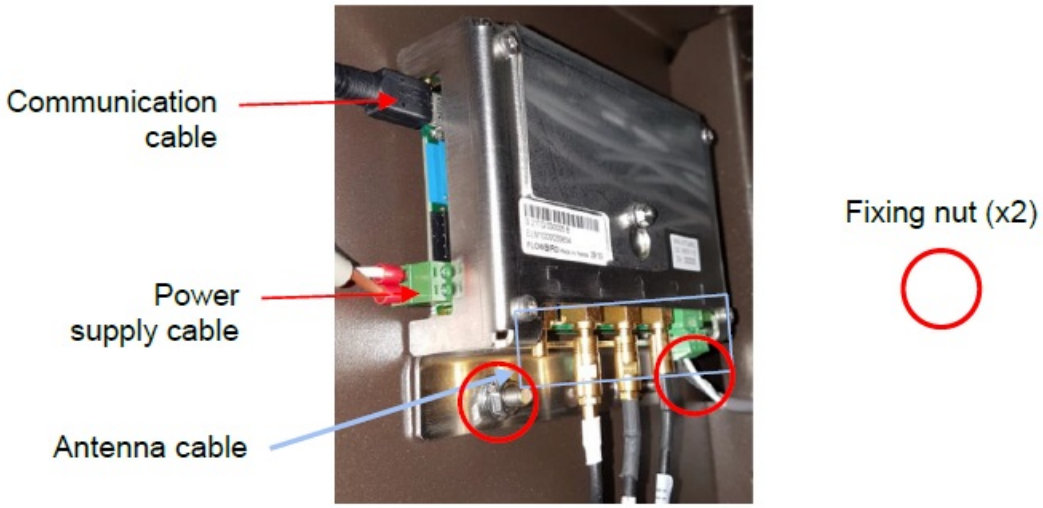
Antenna cables
The connection between the reader module and the ELM_404304686 / ELM_1000004108 / CAR_10000000081 / CAR_1000006460 / ELM_1000008317 / ELM_1000042017 antennas is made with a coaxial cable. This cable is equipped with 2 Wurth ferrites N°742 711 12 with double cable routing inside. They are positioned at each end of the cable.

The connection between the reader module and the ELM_1000035203 antenna is made with a shielded cable, 2 conductors. This cable is equipped with a Wurth 742 712 21 ferrite. They are positioned as close as possible to the reader.

INSTALLING THE V3 CLESS

CLESS reader

- Tools required: an 8 mm open-end spanner
- Time required for the intervention: 2 min
- Other components to remove/Preliminaries: switch off the power to the devices in EMS mode or with the button on the front of the CPU.
- Screw the two bolts holding the CLESS READER.
- Connect the cables on CLESS reader.



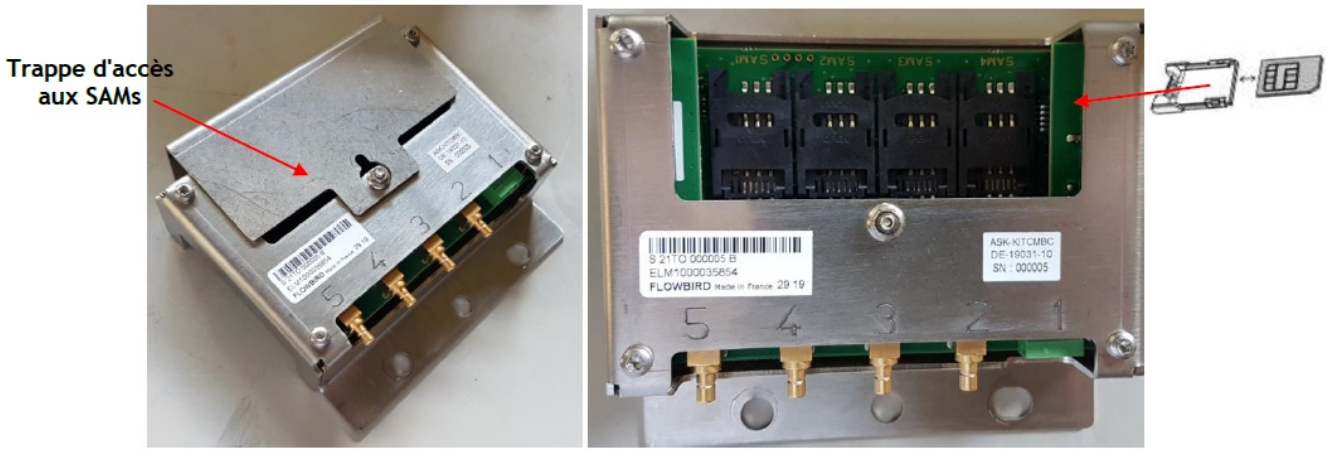
- Press the power button device of the CPU.
- Perform a functional test using the “test connection map” from the menu EMS “travel card reader.

Antenna

- Tools required: none
- Clip the antenna into the bracket
- Connect the antenna cable.

INSTALLING AND REMOVING SECURITY ACCESS MODULES

- Tools required: an 5.5 mm open-end spanner
- Time required for the intervention: 2 min
- Unscrew the nut that secures the SAM access panel. Remove the cover.
- Insert the SIM cards.
- Replace the cover.
- Tighten the nut that locks the door.



DAILY USE
No specific care shall be done. Clean the antenna each year with Isopropanol

V3 CLESS CHARACTERISTICS

- **Physical Characteristics**
  - **Mass** : approximately 300g without cable
  - **Dimensions** : approximately 109x93x32 mm (LxWxH)
- **Standards**
  - See “EC standard compliance marking” in appendix Operating conditions

- **Class II equipement**
  - **Electric supply network** : 12VDC +/- 10%
  - **Max. consumption** : 0.5 A
  - **Ambiant temperature** : from -20°C to +60°C
  - **Max. relative humidity** : 90% at +60°C
  - **Communication** : USB2.0 full speed interface
- **Storage conditions**
  - **Storage temperature** : -40°C, +70°C
  - **Max relative humidity** : 90% at +60°C

EC STANDARD COMPLIANCE MARKING
This product complies with the rules for CE marking. The applicable directives depend on the presence of the radio communication option:

The product complies with the following directives:

- Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the law of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC
- Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)

FCC COMPLIANCE STATEMENT

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

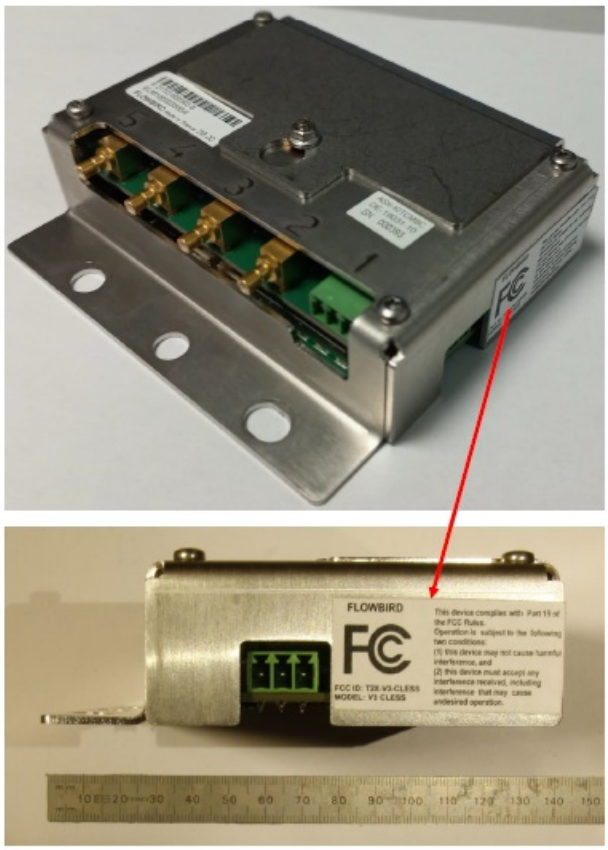
This equipment complies with FCC’s radiation exposure limits set forth for an uncontrolled environment under the following conditions :

1. This equipment should be installed and operated such that a minimum separation distance of 20cm is maintained between the radiator (antenna) and user’s/nearby person’s body at all times.
2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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.



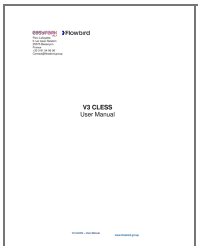
POSITION OF THE FCC ID

- Parc Lafayette
- 6 rue Isaac Newton 25075
- Besançon France
- +33 3 81 54 56 00
- Contact@flowbird.group

Frequently Asked Questions

- **Q: How many different antennas can be integrated with the V3 CLESS?**
  - A: Only 7 different antennas can be integrated with the V3 CLESS. Refer to the user manual for specific antenna models.
- **Q: What should I do to power down the V3 CLESS?**
  - A: To power down your V3 CLESS, disconnect the V3 CLESS power supply block from the electric power supply network.
- **Q: What type of cables should be used with the V3 CLESS reader?**
  - A: Only use Flowbird CLESS reader cable and Flowbird antenna cable with its Ferrite for EMI protection.

Documents / Resources

	**easypark V3 CLESS Reader** [pdf] User Manual V3 CLESS, V3 CLESS Reader, Reader

References

- **User Manual**