



RFID (Radio Frequency Identification) =

**A system that can identify objects through radiofrequency,
WITHOUT A DIRECT PROXIMITY**

The RFID system is made up of two parts:



The player, stable or mobile, reads the informations contained in the Rfid tag, applied on the object without the request of a visual or physical contact: the reading happens even with distance.

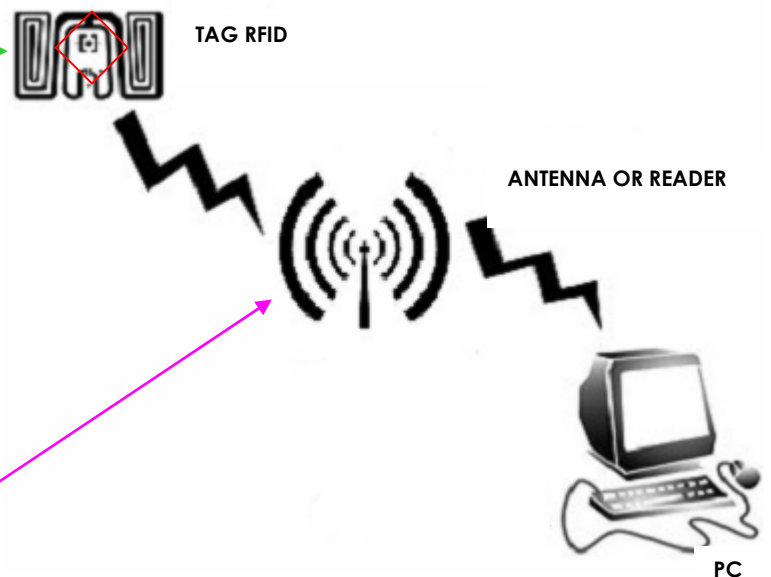
The use of tags gives a digital identity to the objects making them questionable and updatable.

An antenna or reader reads a Rfid tag also known as transponder in which are contained the informations and which is applied on an object, indicated as tagged object.

The tag is made by a **chip** which is responsible of the memory capacity and by an **antenna** responsible of the reading capacity and of the communications with the reader.

The antennae integrated in the tags can be **round** (the tags reading is possible in every way in the antenna level) otherwise **linear** (the tags reading is better according to the orientation)

Both chips and antennae are placed on a small stay, called altogether **tag**.



The antenna "**reader**" receive informations from the tag and sends it to a computer

The *Parabiago 3.0* project consider the use of smartphones which allow, after the download of specific apps, to read the Rfid tag on the billboards: the cellphone, simply approaching it without any contact, to the Rfid symble on the billboard, survey and reads the content of the Rfid tag, sending the informations in a written and in a vocal way.

