Assignment 1 Basic Knowledge

**1. RFID系统的基本组成是什么？简述RFID系统分类的方法。**

**Answer:**

(1) The RFID system consists of Tags Antennas and Readers

(2) There are about four ways to classify RFID systems

1. According to the frequency of use classification can be divided into UHF system high frequency system and low frequency system.

2. According to the electronic label has or not batteries to power it, divided into active systems and passive systems.

3. According to the technical means of reading electronic label data, it is divided into broadcast emission, octave and reflective modulation.

4. According to the information injection method saved in the electronic label, it is divided into integrated circuit curing, field wireless rewriting and field wired rewriting.

**2.RFID读写器的基本组成和功能是什么？有哪些常用的结构形式？**

(1) Readers play an important role in RFID systems, usually consisting of antennas, RF interfaces and logical control units. Its function is to read the information stored in the **RFID** electronic tag Write information to the **RFID** electronic tag Modify the information in the **RFID** electronic tag.

(2) **RFID** main forms of structure are fixed RFID readers, handheld readers, all-in-one readers, separation component readers, industrial readers, OEM modular readers.