Assignment 1 Basic Knowledge

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Format: Name the document in the combination of name、ID, and No. of Assignment.

**Example: Ping Yi\_23\_Assignment1.doc**

**Email the document to “pingy@wxit.edu.cn” before September 21st.**

**1. RFID系统的基本组成是什么？简述RFID系统分类的方法。**

**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？**

Question 1

1. RFID is composed of electronic tag, reader and antenna.
2. RFID system classification methods include classification according to working frequency, classification according to coupling mode, classification according to working power supply of transponder, and classification according to working power supply mode of transponder itself.

Question 2

1. RFID reader is generally composed of antenna, RF interface module and logic control module.

The functions of RFID reader are as follows:

①Realize communication with.

②Power the label.

③Realize communication with computer network.

④Realize multi label recognition.

⑤Moving target recognition.

⑥Implement error message prompt.

⑦For the tag, the reader / writer can read the battery information of the active tag.

2.The reader / writer is generally composed of RF transmitting / receiving part, analysis part , anti-collision algorithm and back-end data processing part