1、Power supply

The whole module's power provided by the battery pack,which supply to cpu and rf circuit after filtered by U2.

2、the U2 and peripheral circuit is for the power adaptor and the management.

3、the U1 is the mirco controller of the Hk2.It communicate with the RF circuit and the front-end equipment.such as get the data from the contactless card and control the led, solenoid and so on.

3、the U3 and peripheral circuit is for the battery detecting ,which do the monitoring and give an alarm when the battery voltage   is low.

4、the U4 and peripheral circuit is the contactless card receiver which get the data from contactless card and shape the data format to fit for the mcu.

5、the Q3,Q7 and peripheral circuit is the contactless card emitter which engender 125khz wave to power the contactless card.

6、the Q4,Q6 and peripheral circuit is the solenoid driver circuit.