WHAT IS CLAIMED IS:

1. An electronic tag comprising:

a power module comprising a constant-current charger having a power input connected to a power-supply terminal of a USB interface and a battery terminal connected to the electrical energy storage device, the constant-current charger being configured to charge the electrical energy storage device using direct-current power received through the USB interface; and

a first voltage converter and a second voltage converter, each having an input connected to the electrical energy storage device, the first voltage converter being configured to convert electrical energy supplied by the electrical energy storage device into a first supply voltage, and the second voltage converter being configured to convert electrical energy supplied by the electrical energy storage device into a second supply voltage;

a control module comprising a microcontroller integrating a Wi-Fi function and a Bluetooth function, the microcontroller being connected to the first voltage converter and powered by the first supply voltage;

a plurality of peripherals connected with the control module and the power module respectively; wherein the peripheral interacts with a user at least one way under controlling of the control module;

the plurality of peripherals comprising an electronic-paper display screen connected to a peripheral interface of the microcontroller;

a driver unit connected with the second supply voltage and the electronic-paper display screen, the driver unit being configured to generate, from the second supply voltage, a positive gate-driving voltage and a negative gate-driving voltage for the electronic-paper display screen; and

the USB interface comprising the power-supply terminal, a plurality of data connection terminals and a plurality of SuperSpeed differential signal pairs, the plurality of data

connection terminals being connected to a plurality of peripheral interfaces of the microcontroller, the plurality of peripheral interfaces comprising a USB communication interface, a UART interface, an SPI interface, an I2C interface and an ADC interface.

2. The electronic tag according to claim 1, wherein the control module further comprises: a reset switch configured to provide the first supply voltage to a reset interface of the microcontroller for resetting the microcontroller, in response to a reset action of user;

wherein one end of the reset switch is connected to the first supply voltage, and the other end of the reset switch is connected to the reset interface of the microcontroller.

3. The electronic tag according to claim 1, wherein the control module further comprises: a key switch configured to provide the first supply voltage to a key interface of the microcontroller, in response to a key action of user;

wherein one end of the key switch is connected to the first supply voltage, and the other end of the key switch is connected to the key interface of the microcontroller.

4. The electronic tag according to claim 1, wherein the peripheral further comprises:

a speaker connected to the microcontroller and the first supply voltage; and

a plurality of indicator lights connected to the microcontroller and the first supply voltage.

5. The electronic tag according to claim 1, wherein the peripheral further comprises: RGB-LED module with a power supply end and a signal end;

wherein the power supply end of the RGB-LED module is connected with the electric energy storage device, and the signal end of the RGB-LED module is connected with the peripheral interface of the microcontroller.

6. An interactive system of the Internet of Things, comprising:

at least one electronic tag according to the claim 1;

an intelligent terminal;

wherein a signal transmission channel is established between the intelligent terminal and the electronic tag, and data information is transmitted based on the signal transmission channel to realize one or more interactions.

7. The Internet of things interactive system according to claim 6, wherein the intelligent terminal is provided with an application matching with the electronic tag; the electronic tag is connected to a door lock control device;

wherein the intelligent terminal is configured to establish a wireless signal transmission channel between the electronic tag, when a marking signal of the electronic tag is detected, and sent an identity information based on the wireless signal transmission channel;

the electronic tag is configured to output an unlocking signal to the described door lock control device, and upload a corresponding record information to a server, when described identity information satisfies the preset authentication condition; wherein the described record information comprises the identity information and an unlocking information.

8. The Internet of things interactive system according to claim 6, further comprising a plurality of sensor devices; wherein the sensor device is selected from one or more of the following:

NFC module;

QR code scanning equipment;

infrared sensors; and

electromagnetic sensors.

9. The Internet of things interactive system according to claim 8, wherein the

electromagnetic sensor is configured to detect the state of the door lock, and output an alarm signal, when the state of the door lock is abnormal;

the NFC module is configured to read identity information from corresponding NFC card, and provide to the electronic tag;

the QR code scanning equipment is configured to obtain the identity information contained in QR code and provide to the electronic tag.

10. The Internet of things interactive system according to claim 6, wherein the intelligent terminal is provided with an application matching with the electronic tag; the electronic tag is connected to an equipment to be monitored;

wherein the electronic tag is configured to detect the running state of the equipment, and when the equipment runs abnormally, send abnormal information to the server; and the intelligent terminal is configured to display an abnormal information in a preset manner on the application.

11. The Internet of things interactive system according to claim 10, wherein the abnormal information comprises location of the abnormal device, device status, and/or cause of the abnormality of the equipment.