CLAIMS

1. A smart security device for attaching to an item to be secured, the smart security device comprising:

a housing,

electronics provided in the housing, the electronics comprising a tag configured to be uniquely associated with the smart security device, the tag further configured to automatically and periodically emit a first signal, the first signal being a Bluetooth signal configured to be sent and received via a Bluetooth low energy wireless personal area network;

a cable having a free end and a secured end, the secured end being secured to the housing and in electrical connection with the electronics; and

a lock assembly at least partially provided in the housing, the lock assembly comprising

a body comprising a cable passage configured for passing the free end of the cable therethrough and for immobilizing the cable therein,

a lever having a free end and a pivoting end, the pivoting end pivotably connected to the body, the lever having a resilient plate provided thereon, the resilient plate configured to exert a force on a cable immobilizer against the cable to immobilize the cable in the cable passage when a side of the lever facing the body is brought into contact with a side of the body facing the lever while the cable is in the cable passage, and

a fastener configured to secure the lever to the body when the cable is immobilized in the cable passage.

2. The smart security device of claim 1, wherein the cable immobilizer comprises a pin and the body further comprises a pin passage configured for holding the cable immobilizer therein, the pin passage opening into the cable passage, wherein upon exerting a force on a first end of the cable immobilizer, a second end of the cable immobilizer extends out of the pin passage into the cable passage when the cable is not in the cable passage.

3. The smart security device of claim 1, wherein the resilient plate is configured to be elastically deformed against the cable immobilizer when the cable is in the cable passage and the lever is secured to the body, the cable immobilizer being longer than the pin passage.

4. The smart security device of claim 1, further comprising a biasing element provided within the pin passage to bias the cable immobilizer away from the cable passage.

5. The smart security device of claim 1, wherein the fastener comprises a lock passage provided in the body and a lock pin provided on the lever, the lock passage configured to receive the lock pin therein.

6. The smart security device of claim 5, wherein the lever and the lock pin are provided with a hole passing through the lever and the lock pin, the hole configured for passing a cable tie therethrough to secure the lock pin to the lever and prevent withdrawal of the lock pin from the lock passage without cutting of the cable tie.

7. The smart security device of claim 1, wherein the body is at a side of the housing and partially encased by the housing.

8. A smart security system comprising:

the smart security device of claim 1;

a receiving transmitter having a Bluetooth signal reception functionality, the receiving transmitter configured to automatically receive the first signal from the tag when the receiving transmitter is within a broadcast range of the tag without requiring pairing of the receiving transmitter and the tag, the receiving transmitter further configured to transmit a second signal;

a data system configured to be remotely accessible to the receiving transmitter and to receive the second signal transmitted from the receiving transmitter, the data system comprising at least one server for executing tasks and a data store connected to the at least one server for data storage, the second signal being transmitted via a network to which the receiving transmitter is connected, the network being at least one of a cellular mobile network and a wireless network; and

an application configured to be installed in the receiving transmitter, the application configured to allow the receiving transmitter to automatically receive the first signal and to initiate transmission of the second signal from the receiving transmitter to the data system.

9. The smart security system of claim 8, wherein the first signal comprises information associated with the smart security device, and wherein the second signal comprises information associated with the receiving transmitter and at least part of the information associated with the smart security device.

10. The smart security system of claim 9, wherein the information associated with the receiving transmitter includes ownership and location information of the receiving transmitter, and wherein the information associated with the smart security device includes information identifying the item to which the smart security device is attached and status of the smart security device.

11. The smart security system of claim 10, wherein status of the smart security device comprises at least one of: whether the smart security device is electronically locked and whether the smart security device is physically secured.

12. The smart security system of claim 8, comprising a plurality of the receiving transmitter at various locations, and wherein the second signal transmitted from each of the plurality of the receiving transmitter provides a record of movement of the item to which the smart security device is attached and a record of status of the smart security device, the movement being from an authorized sender to an authorized recipient through the various locations.

13. The smart security system of claim 12, wherein the second signal from one of the plurality of the receiving transmitter that is located at a location of the authorized recipient includes an electronic proof of delivery when the authorized recipient receives the item.

14. The smart security system of claim 8, wherein the application is configured to initiate transmission of the second signal from the receiving transmitter to the data system via at least one of: automatic transmission and user-activated transmission.

15. The smart security system of claim 14, wherein the application is configured to allow a user to select one of: automatic transmission and user-activated transmission to initiate transmission of the second signal from the receiving transmitter to the data system.

16. The smart security system of claim 8, comprising a plurality of the smart security device, the receiving transmitter being provided at a location where a number of items are stored, each of the number of items having one of the plurality of the smart security device attached thereto that is registered with the data system to indicate that the number of items are expected to be at the location, wherein the application installed in the receiving transmitter is configured to match received signals from each of the smart security devices at the location with expected presence of the registered smart security devices and to transmit an alert to the data system if a signal expected to be received from any one of the registered smart security devices is not received by the receiving transmitter within a specified time frame.