Claims

1. A method of configuring and installing a plurality of access control devices at an installation site, the method comprising:

storing, in a cloud-based computer system, configuration data for a plurality of unidentified access control devices associated with the installation site, wherein each of the plurality of unidentified access control devices is configured to be assigned to one of the plurality of access control devices at the installation site;

receiving, in the cloud-based computer system, a registration assigning the installation site to a media identifier stored in a setup media device;

reading, by a particular one of the access control devices of the plurality of access control devices at the installation site, the media identifier stored in the setup media device;

receiving, in the cloud-based computer system, the media identifier from the particular access control device;

assigning, in the cloud-based computer system, the particular access control device at the installation site to one of the unidentified access control devices associated with the installation site assigned to the media identifier; and

transmitting the configuration data of the unidentified access control device assigned to the particular access control device from the cloud-based computer system to the particular access control device.

2. The method of claim 1, wherein storing the configuration data includes storing connectivity information for the access control devices and for hardware components connected to the access control devices.

3. The method of claim 1, wherein storing the configuration data includes storing timing information for the access control devices and for controlling hardware components connected to the access control devices.

4. The method of claim 1, wherein the method further comprises arranging a visual representation of the media identifier on a surface of the setup media device; and generating the registration includes reading the visual representation of the media identifier on the surface of the setup media device.

5. The method of claim 1, wherein reading the media identifier stored in the setup media device includes placing the setup media device within a reception range of an RFID reader, and the RFID reader reading the media identifier from the setup media device.

6. The method of claim 1, wherein assigning of the particular access control device to one of the unidentified access control devices includes receiving in the cloud-based computer system a device identifier of the particular access control device, and receiving in the cloud-based computer system user instructions linking the device identifier of the particular access control device to one of the unidentified access control devices of the installation site assigned to the media identifier.

7. The method of claim 1, wherein the method further comprises receiving in the particular access control device location information from a mobile communication device; and assigning the particular access control device to one of the unidentified access control devices includes receiving in the cloud-based computer system the location information from the particular access control device, and using the location information for the assignment of the particular access control device to one of the unidentified access control devices.

8. The method of claim 1, wherein the method further comprises storing an installation code in the setup media device; storing in the cloud-based computer system the media identifier

and the installation code of the setup media device; transmitting the installation code from the cloud-based computer system to a device controller gateway at the installation site; and controlling access of a wireless access control device to the device controller gateway, using the installation code stored in the setup media device and the installation code received in the device controller gateway.

9. A computer system for configuring a plurality of access control devices at an installation site, the computer system comprising one or more processors configured to:

store, in the computer system, configuration data for a plurality of unidentified access control devices associated with the installation site;

receive, in the computer system, a registration assigning the installation site to a media identifier stored in a setup media device;

receive, in the computer system, the media identifier from a particular one of the plurality of access control devices at the installation site;

assign, in the computer system, the particular access control device at the installation site to one of the unidentified access control devices associated with the installation site assigned to the media identifier; and

transmit the configuration data of the unidentified access control device assigned to the particular access control device from the computer system to the particular access control device.

10. The computer system of claim 9, wherein the configuration data includes connectivity information for the access control devices and hardware components connected to the access control devices.

11. The computer system of claim 9, wherein the configuration data includes timing information for the access control devices and for controlling hardware components connected to the access control devices.

12. The computer system of claim 9, wherein the processors are configured to receive, for assigning the particular access control device to one of the unidentified access control devices, a device identifier of the particular access control device, and user instructions linking the device identifier of the particular access control device to one of the unidentified access control devices of the installation site assigned to the media identifier.

13. The computer system of claim 9, wherein the processors are configured to receive, for assigning of the particular access control device to one of the unidentified access control devices, location information of the particular access control device, and to use the location information for assigning the particular access control device to one of the unidentified access control devices.

14. The computer system of claim 9, wherein the processors are configured to store the media identifier and an installation code stored in the setup media device; and to transmit the installation code to a device controller gateway at the installation site, for enabling control of access of a wireless access control device to the device controller gateway, using the installation code stored in the setup media device and the installation code transmitted to the device controller gateway.

15. An access control device, comprising a circuit configured to:

read from a setup media device a media identifier stored in the setup media device;

transmit the media identifier and a device identifier of the access control device to a cloud-based computer system;

in response to transmitting the media identifier and the device identifier to the cloud-based computer system, receive from the cloud-based computer system configuration data for the access control device; and

perform a configuration process using the configuration data received from the cloud-based computer system.