

## **SMART DRAWER SYSTEM**

The Drawer System consist of a main controller and safe Drawer units. Multiple Safe Drawer Units can be controlled by one controller. This is done via an ethernet cable that is daisy chained to each Drawer. One main control unit can manage 255 Drawers. The advantages of the single control unit deployment:

- It saves costs especially where there are multiple safe Drawer units in one room
- Where there are multiple safe Drawer units in one room, this eliminates the need to enrol the staff on each safe Drawer unit
- Settings for all the safe Drawer units are done centrally

The Drawer System management system, controls users' access to the Drawers of the Smart Drawer. Users can be assigned to different Drawers. When logging on, using biometrics, the user will select the Drawer number. A central Controller have access to the system dashboard and can open a door via the server system.

The Drawer System has a battery backup system and can operate during load shedding or other power failures. Each safe Drawer unit has a backup battery that will ensure operation uptime during power failures.

The system saves the complete history of all events. Event logs include username, Drawer number, date of transaction, unlock date and time, start time, end time and the duration that the Drawer was open. Event logs can be accessed via the LAN.

The time delay for the Drawer opening can be set depending on the business' requirement. Once the Drawer is open, the Drawer will make a buzz sound until the Drawer is closed again.

### **Main Controller**

The main controller is for the 1<sup>st</sup> 16 Drawers. Add-On controllers are added to the main controller for Drawers exceeding 16 Drawers.

The main controller consists of the following:

- 2.4" touch screen display
- Biometrics reader
- Battery backup system
- Battery charger
- Main Controller
- Ethernet module

### **In Branch Server**

A mini Linux PC is deployed in-branch for the system management. User rights/access is allocated depending on the user profile.