SAFEHOUSE
SECURITY

HIKVISION

Access Control Products Introduction

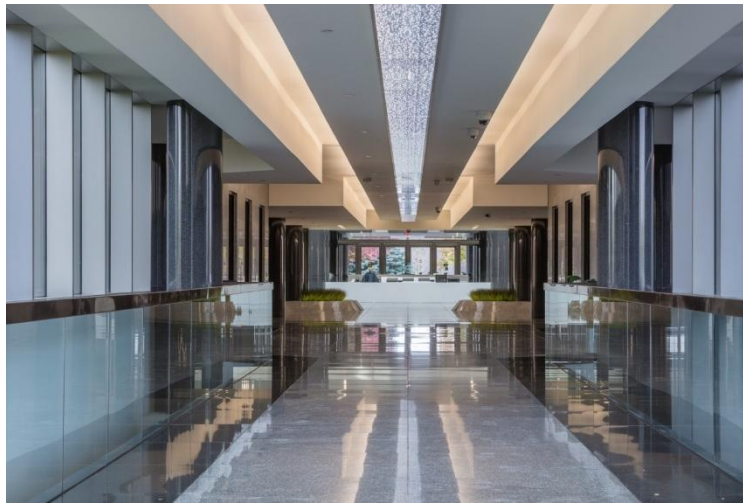# Application Scenario

Office Building

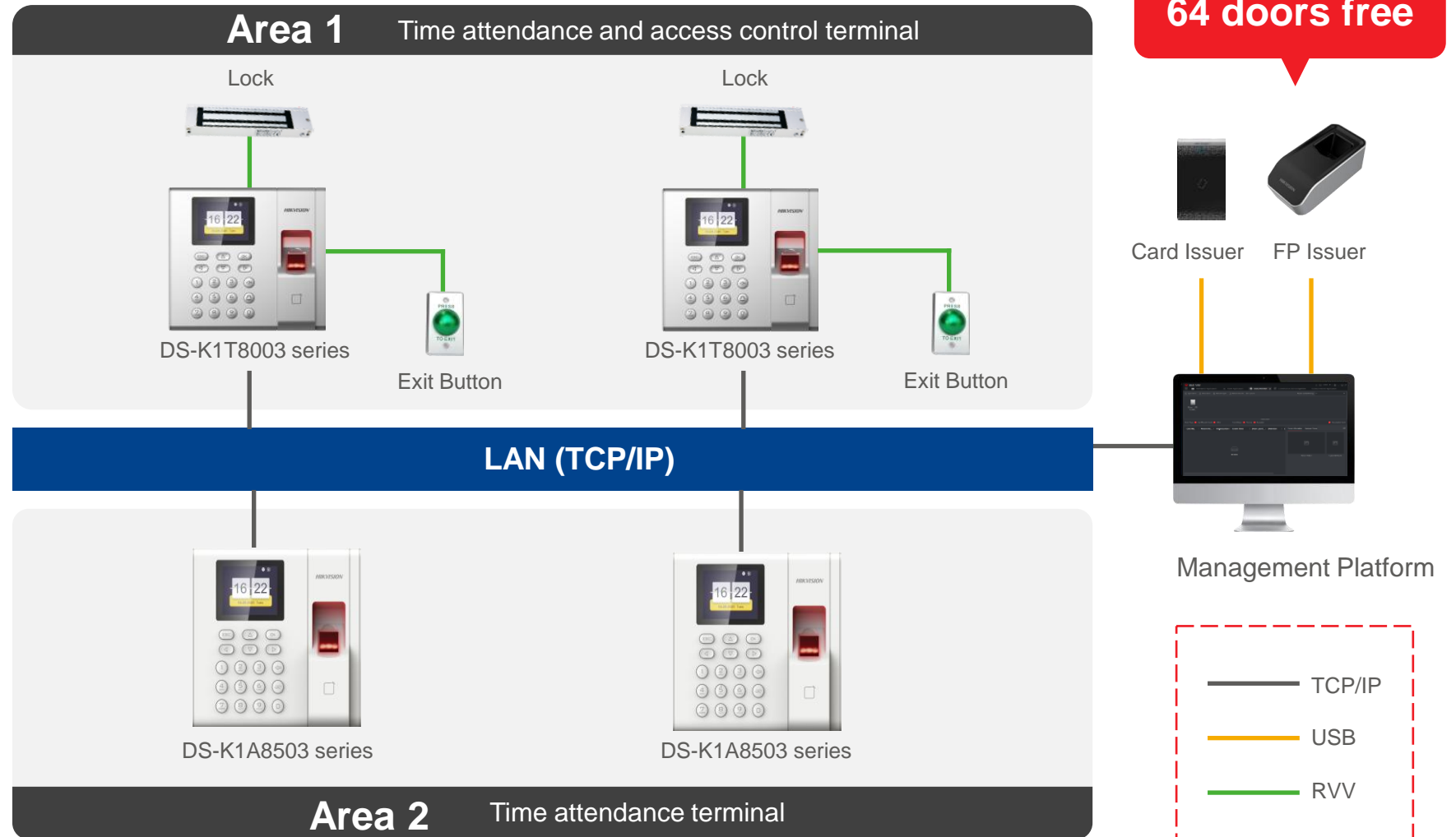School
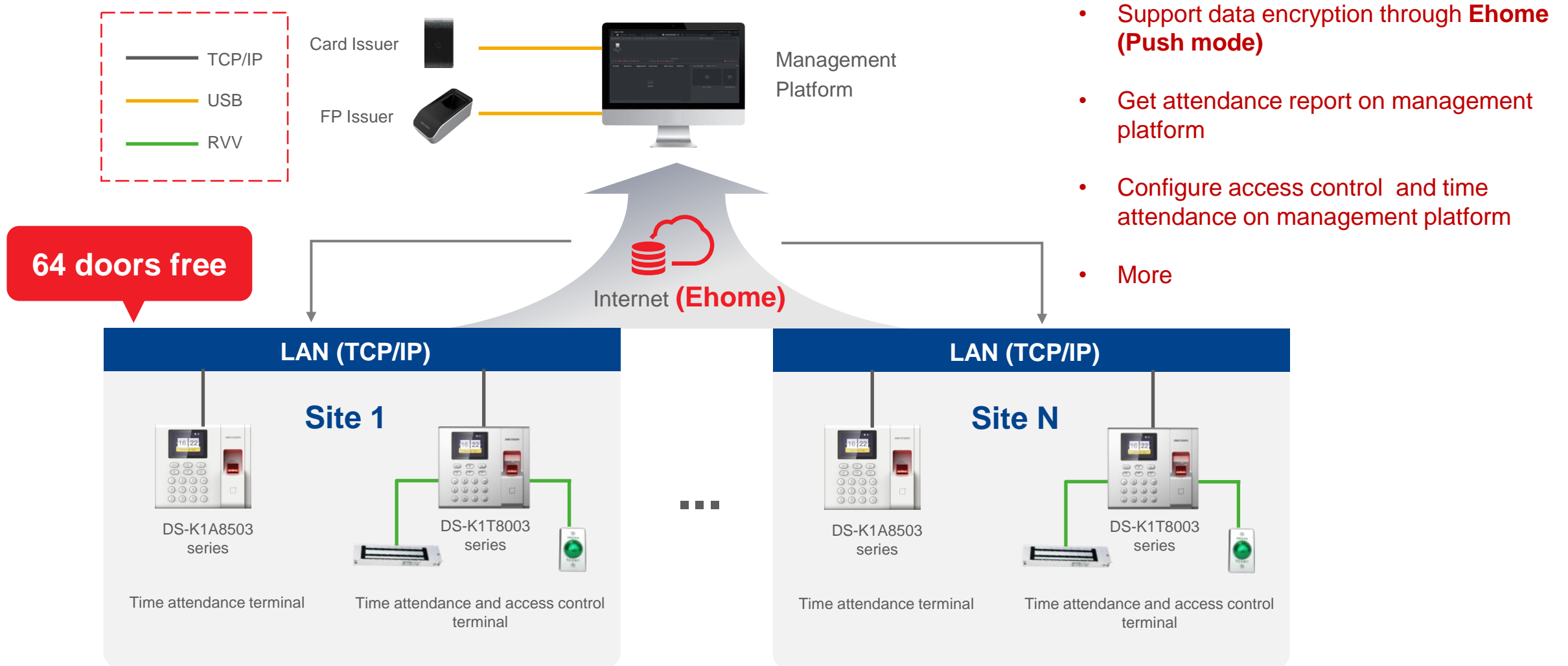

Transportation

Government Office

Bank

Prison

Solution Topology

Management in Local network

- Get attendance report on management platform

- Configure access control and time attendance on management platform

- Device management on platform remotely

- More

64 doors free

Area 1 Time attendance and access control terminal

Lock

Lock

DS-K1T8003 series

DS-K1T8003 series

Exit Button

Exit Button

LAN (TCP/IP)

DS-K1A8503 series

DS-K1A8503 series

Area 2 Time attendance terminal

Card Issuer

FP Issuer

Management Platform

——	TCP/IP
——	USB
——	RVV

Solution Topology

Multiple sites management on Public network

Legend:
- TCP/IP
- USB
- RVV

Card Issuer

FP Issuer

Management Platform

Internet **(Ehome)**

64 doors free

- Support data encryption through **Ehome (Push mode)**
- Get attendance report on management platform
- Configure access control and time attendance on management platform
- More

LAN (TCP/IP)

Site 1

DS-K1A8503 series

Time attendance terminal

DS-K1T8003 series

Time attendance and access control terminal

. . .

LAN (TCP/IP)

Site N

DS-K1A8503 series

Time attendance terminal

DS-K1T8003 series

Time attendance and access control terminal

iVMS-4200 AC

Free

Flexible time attendance

- Generate time attendance reports at device locally or using the software

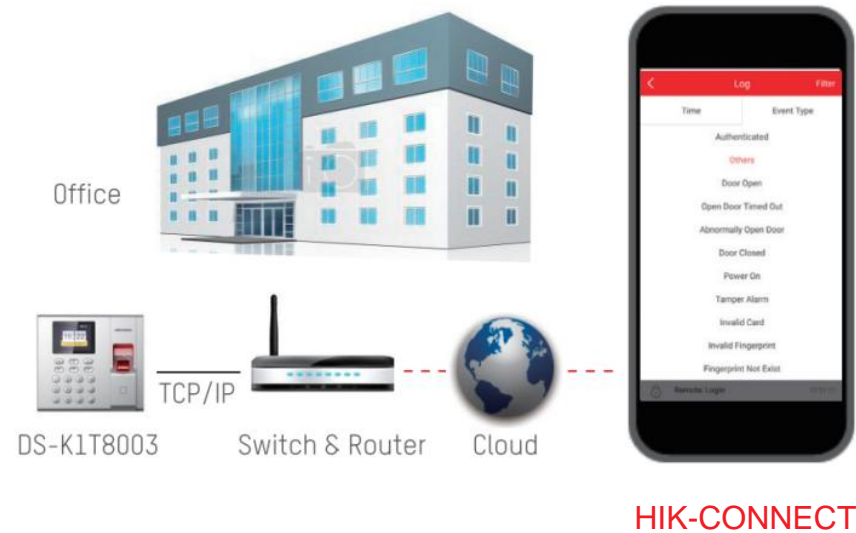- User-defined attendance status (Check in/ out, Break in/out, Overtime in/out)
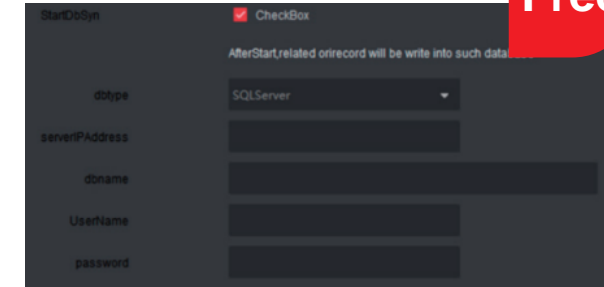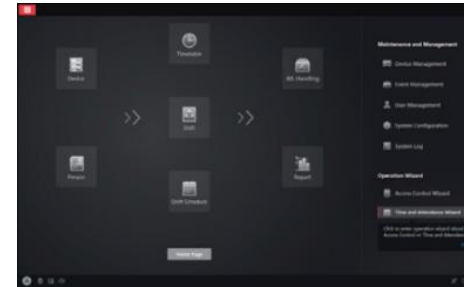
## Dedicated management software for access control & time attendance

- Access control and time attendance setup wizard

- Support SQL Server database to integrates with 3rd-party software

- Easy to use

Solution Highlights
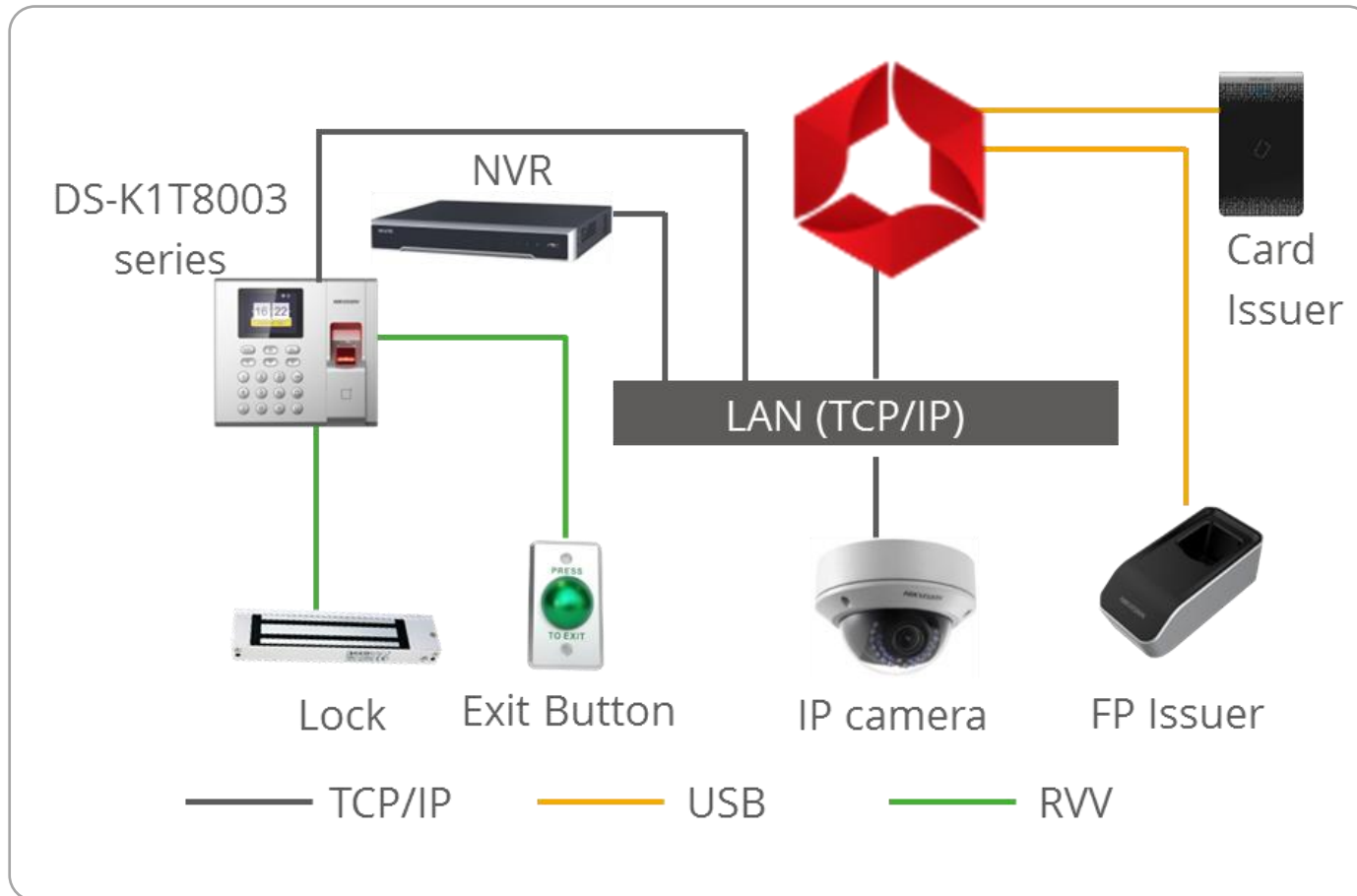

HIK-CONNECT

Mobile App control

- Input password to open door remotely
- Remain Open/Closed
- Check authentication logs remotely
- Door open duration setting remotely
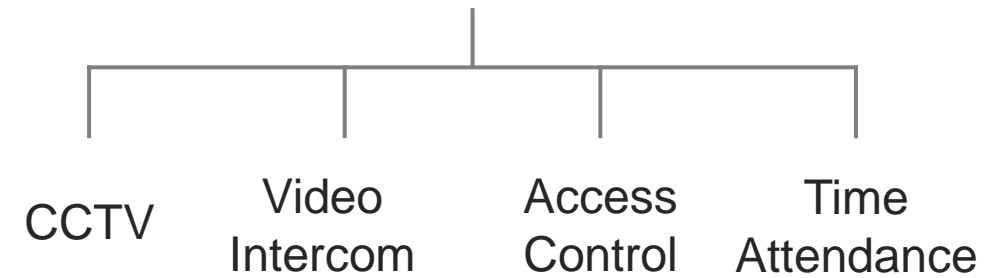
Only DS-K1T8003 support currently
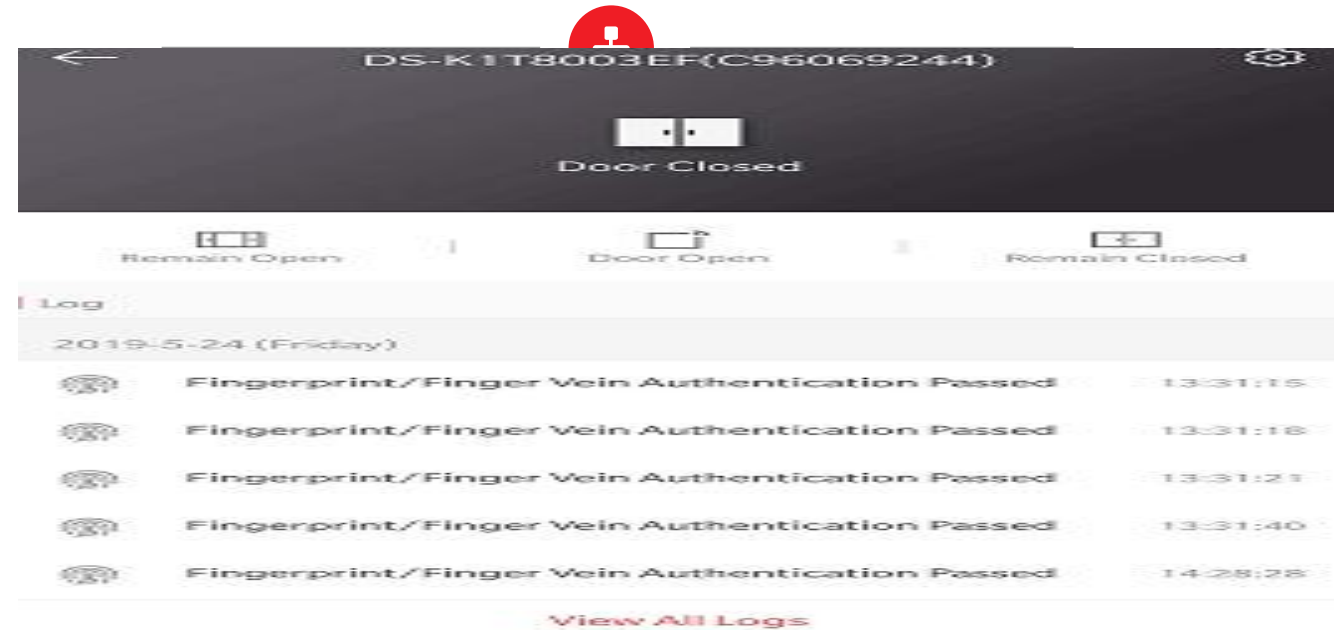
Solution Highlights

CCTV integration

All-in-one Management Platform

CCTV | Video Intercom | Access Control | Time Attendance

🎞 **Recording video to PC**

🗺 **Image Pop up on E-map**

Product overview

Fingerprint recognition terminal

Access control & Time attendance terminal

DS-K1T8003 series (Silver)

Time attendance terminal

DS-K1A8503 series (White)

1,000 fingerprints

Fingerprint, EM/Mifare1 card

Access control
Only DS-K1T8003 series support

Time attendance status
Check in/ out, Break in/out, Overtime in/out

Multiple languages
English, Brazilian Portuguese, Spanish, French, Vietnamese, Italian, Arabic, Thai

2.4-inch LCD screen

Ehome 5.0

Product Option 1 - Fingerprint Recognition terminal

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Time Attendance Terminal

DS-K1A8503EF/MF- B series

- 1,000 fingerprints
- Fingerprint, EM/Mifare1 card
- Time attendance status
  Check in/ out, Break in/out, Overtime in/out
- Multiple languages
  English, Brazilian Portuguese, Spanish, French, Vietnamese, Italian, Arabic, Thai
- 2.4-inch LCD screen, Inbuilt Battery (3-4 hrs.)
- TCP/IP (Ehome)

DS-K1A802EF/MF- B series

- 3,000 fingerprints
- Fingerprint, EM/Mifare1 card
- Time attendance status
  Check in/ out, Break in/out, Overtime in/out
- Multiple languages
  English, Brazilian Portuguese, Spanish, French, Vietnamese, Italian, Arabic, Thai
- 2.4-inch LCD screen, Inbuilt Battery (3-4 hrs.)
- TCP/IP (Ehome), Wi-Fi (Inbuilt)

DS-K1T804

HIKVISION®

Standalone access control terminal

DS-K1T804F/EF/MF

Replace the discontinued Model: ~~DS-K1T803~~ series

Features	Specification	Configuration

Features

TCP/IP uplink

WIFI

Wiegand 26/34 uplink

RS485 for security module. Wiegand 26 / 34 for exit card reader

Alarm, Tamper-proof

Local Attendance, export report to USB pen drive
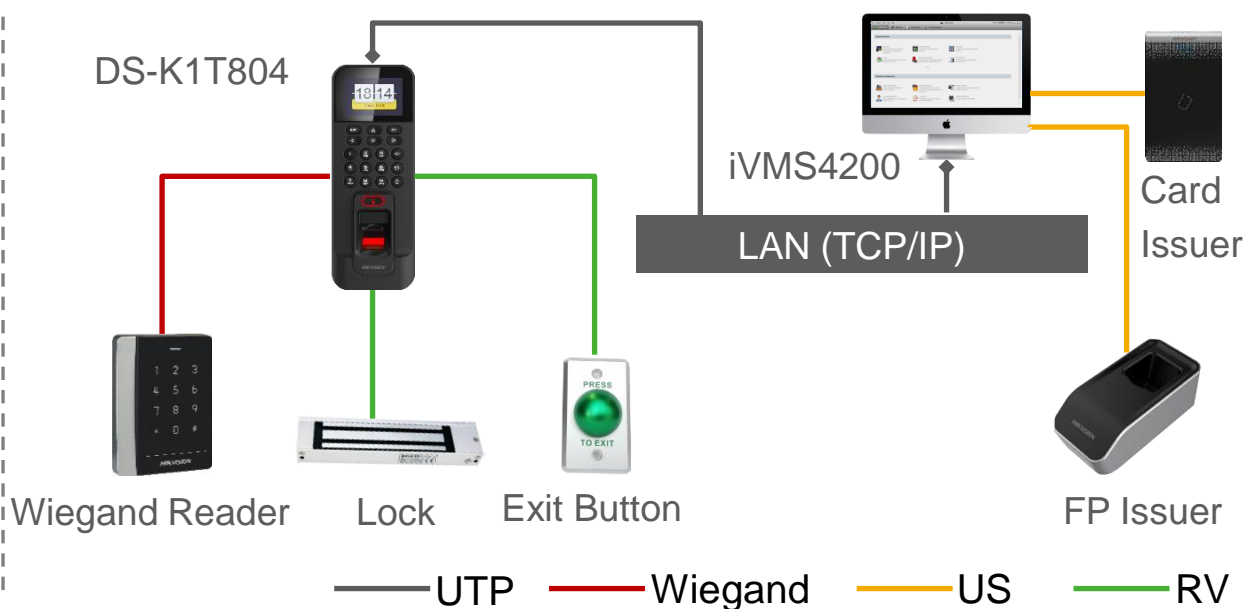
Specification

3K cards

EM / Mifare card

100K events

3000 Fingerprints

CE, FCC

Configuration

DS-K1T804

iVMS4200

LAN (TCP/IP)

Card Issuer

Wiegand Reader   Lock   Exit Button

FP Issuer

—— UTP —— Wiegand —— US —— RV

DS-K2M060

Door secure module

● Running separately to keep safety

Supported by DS-K1T804, DS-K1T501, DS-K1T201

Features	Connectors	Configuration
RS485 uplink	Button*1, Door lock*1	
● Wiegand 26/34 downlink	Door sensor*1, Alarm out*1, wiegand out*1	
Powering and running separately	-30℃ - 55 ℃	
Alarm, Tamper-proof	CE, FCC	

DS-K2M060

Wiegand Reader   Lock   Exit Button   Standalone Terminal

—— RS485   —— Wiegand   —— US   —— RV
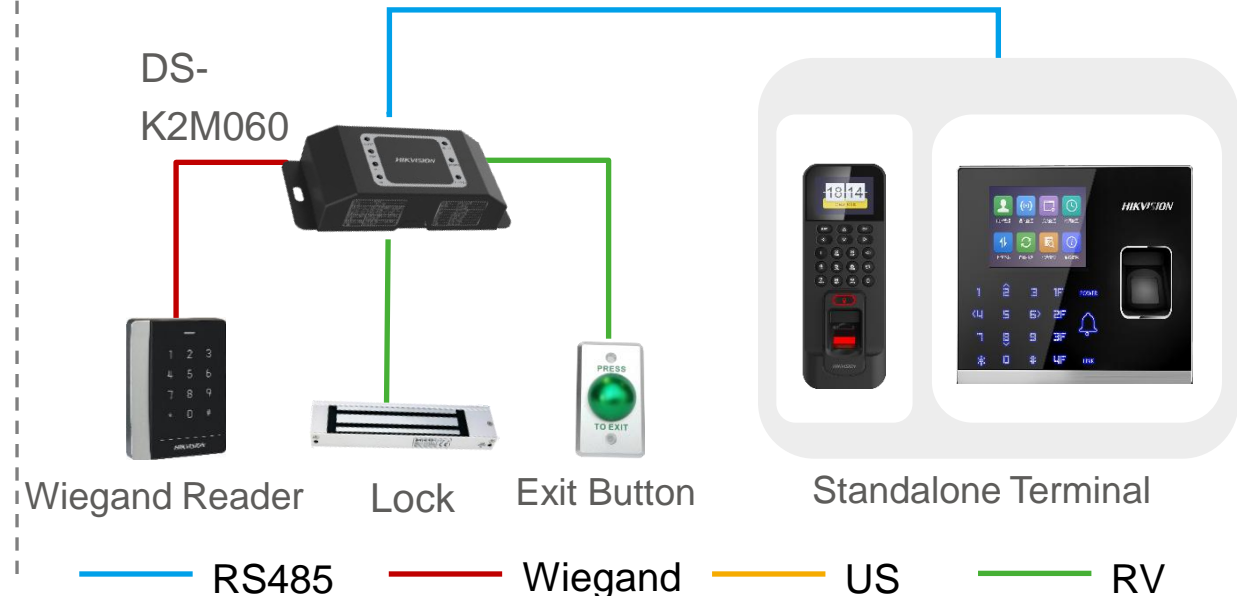
DS-K1T201

Standalone access control terminal

DS-K1T201EF/EF-C/MF/MF-C

Replace the discontinued Model: ~~DS-K1T200~~ series

Features	Specification	Configuration

Features

- TCP/IP, RS485 uplink WIFI
- Wiegand 26/34 uplink (Reader mode)
- RS485 downlink
- Face detection, photo capture
- Alarm, Tamper-proof

Specification
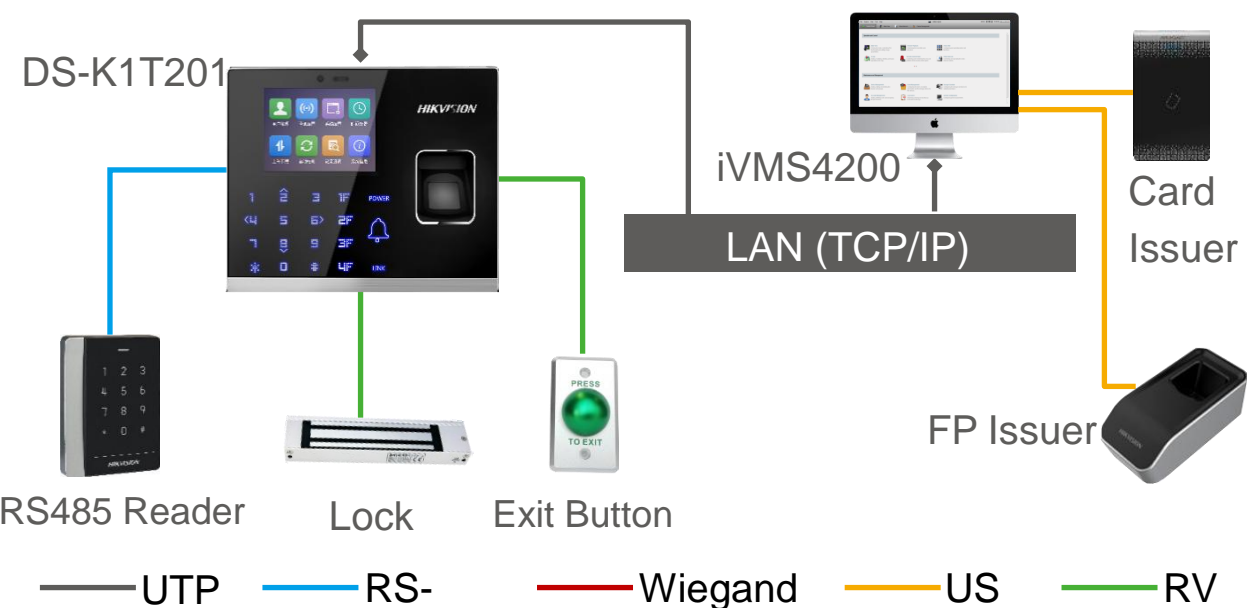
- 100K cards
- EM / Mifare card
- 300K events
- 5000 Fingerprints
- 2 MP Camera (optional)
- CE, FCC

Configuration

DS-K1T201

iVMS4200

LAN (TCP/IP)

Card Issuer

FP Issuer

RS485 Reader   Lock   Exit Button

—— UTP   —— RS-   —— Wiegand   —— US   —— RV

HIKVISION®

DS-K1T105

Standalone access control terminal

DS-K1T105E/E-C/M/M-C

Features

- TCP/IP, RS485 uplink WIFI
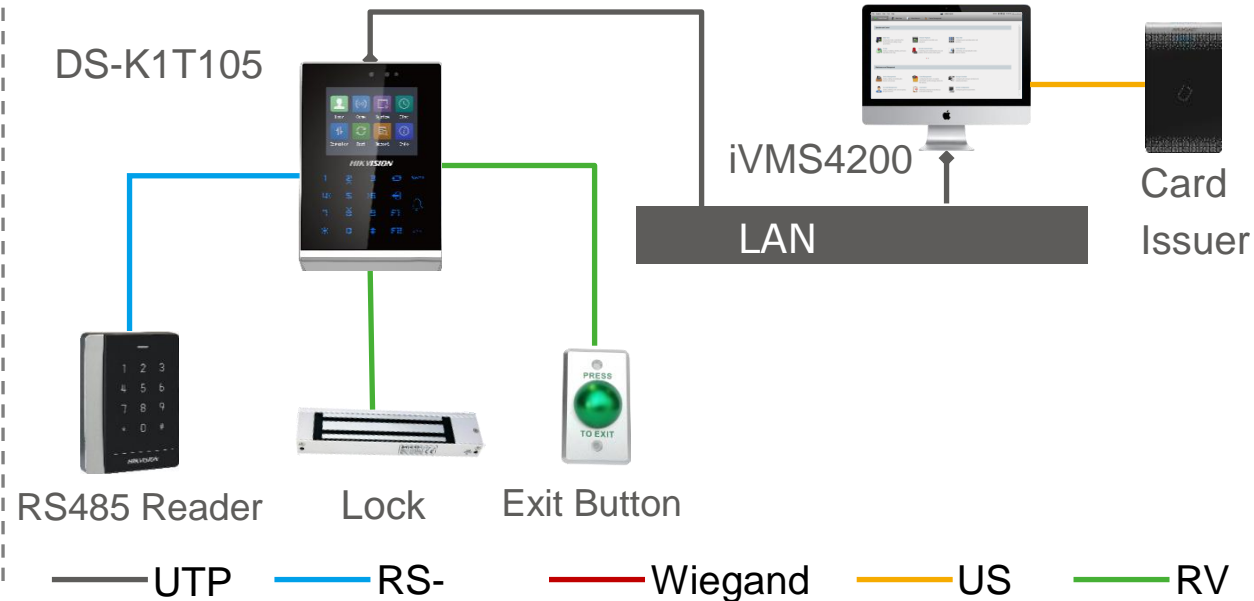- Wiegand 26/34 uplink (Reader mode)
- RS485 downlink
- Face detection, photo capture
- Alarm, Tamper-proof

Specification

- 100K cards
- EM / Mifare card
- 300K events
- 2 MP Camera (optional) CE, FCC

Configuration

DS-K1T105

iVMS4200

LAN

Card Issuer

RS485 Reader   Lock   Exit Button

— UTP   — RS-   — Wiegand   — US   — RV

DS-K1T802

Standalone access control terminal

DS-K1T802E/M

Features	Specification	Configuration

Features

TCP/IP uplink for 1T802

LCD Screen

Specification

3K cards
EM / Mifare card

10K events

CE, FCC

Configuration

iVMS4200

LAN (TCP/IP)

Card Issuer

Lock   Exit Button

—— UTP   —— US   —— RV
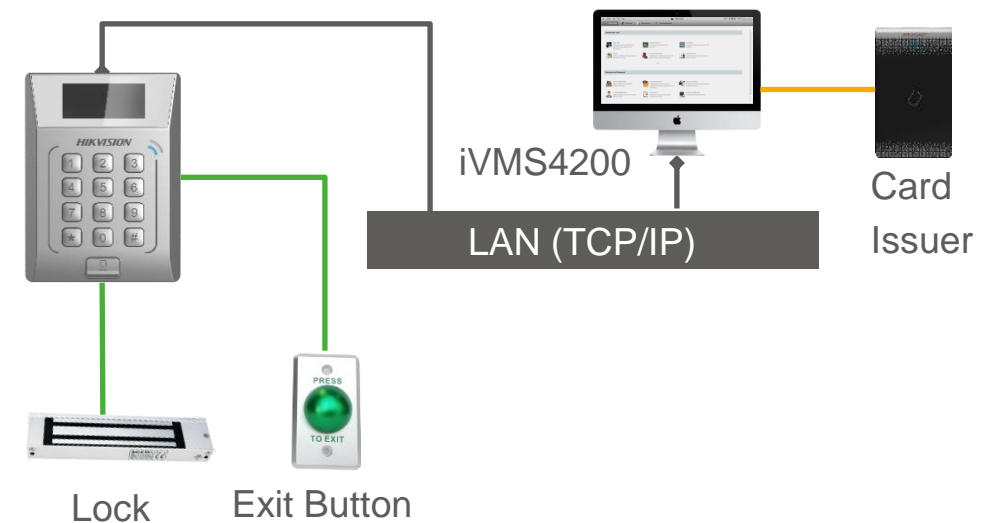
DS-K1T801

Standalone access control terminal

DS-K1T801E/M

Features

Stand-alone device

Specification

3K cards

EM / Mifare card
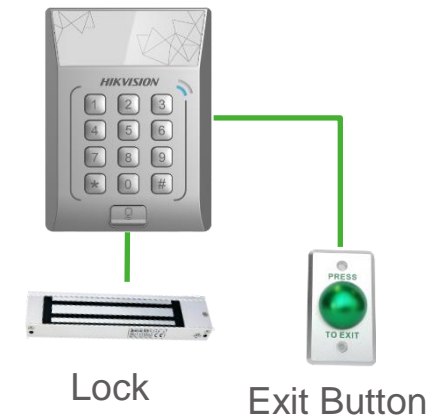
No events

CE, FCC

Configuration

Lock   Exit Button

— RVV

Comparison - Terminal

	DS-K1T105	DS-K1T201	DS-K1T501	DS-K1T804	DS-K1A802	DS-K1T802	DS-K1T801
FP Number	-	5000	5000	3000	3000	-	-
Card Number	100K	100K	50K	3K	3K	3K	3K
Event Log	300K	300K	200K	100K	100K	10K	-
Wi-Fi	Yes	Yes	Yes	Yes	Yes	-	-
Secure Model	Yes	Yes	Yes	Yes	-	-	-
Face Detection	Optional	Optional	Yes	-	-	-	-
External Reader	Wiegand RS485	Wiegand RS485	RS485	Wiegand	-	-	-
Note			No EM Card		No Lock Control		No LAN Port

Product Option 2 - Face Recognition Terminal

HIKVISION

IP65

Time Attendance Terminal

DS-K1T331 series

DS-K1T606 series

300 faces

Time attendance with software
Check in/ out, Break in/out, Overtime in/out

3.9 Inch Touch screen

Wall mount and desktop placement

IP TCP/IP, Wi-Fi (Inbuilt)

3,200 faces

Different authentication combination
Face, Fingerprint, EM/Mifare1 card

Time attendance with software
Check in/ out, Break in/out, Overtime in/out

Wall mount

5 Inch Touch screen

IP TCP/IP, Wi-Fi (Inbuilt)

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HIKVISION®

DS-K1T605MF/EF

Face Recognition Terminal WITH Acce[ss] Control Terminal
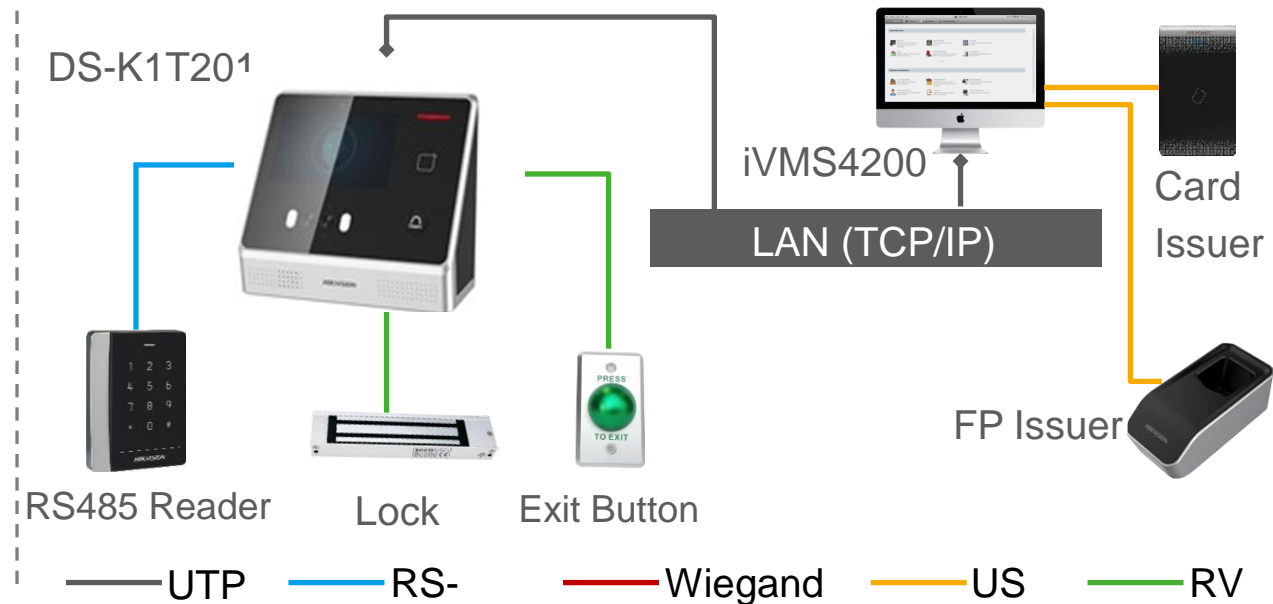
Features	Specification	Configuration

Features

- TCP/IP, RS485 uplink
- **WIFI**
- Wiegand 26/34 uplink
- **(Reader mode)**
- RS485 downlink
- Face detection, photo capture
- Alarm, Tamper-proof

Specification

- 3200 FACE
- EM / Mifare card
- 10000 events
- 5000 Fingerprints
- **0.3 MP Wide-Angle**
- CE, FCC

Configuration

DS-K1T20¹

iVMS4200

LAN (TCP/IP)

Card Issuer

FP Issuer

RS485 Reader   Lock   Exit Button

—— UTP   —— RS-   —— Wiegand   —— US   —— RV

DS-K2600 Series

Professional access controller

DS-K2601 / DS-K2602 / DS-K2604

Features

TCP/IP, RS485 uplink

RS485, wiegand downlink

Advanced access control

Abundant event linkage

Optional backup battery

Alarm, Tamper-proof

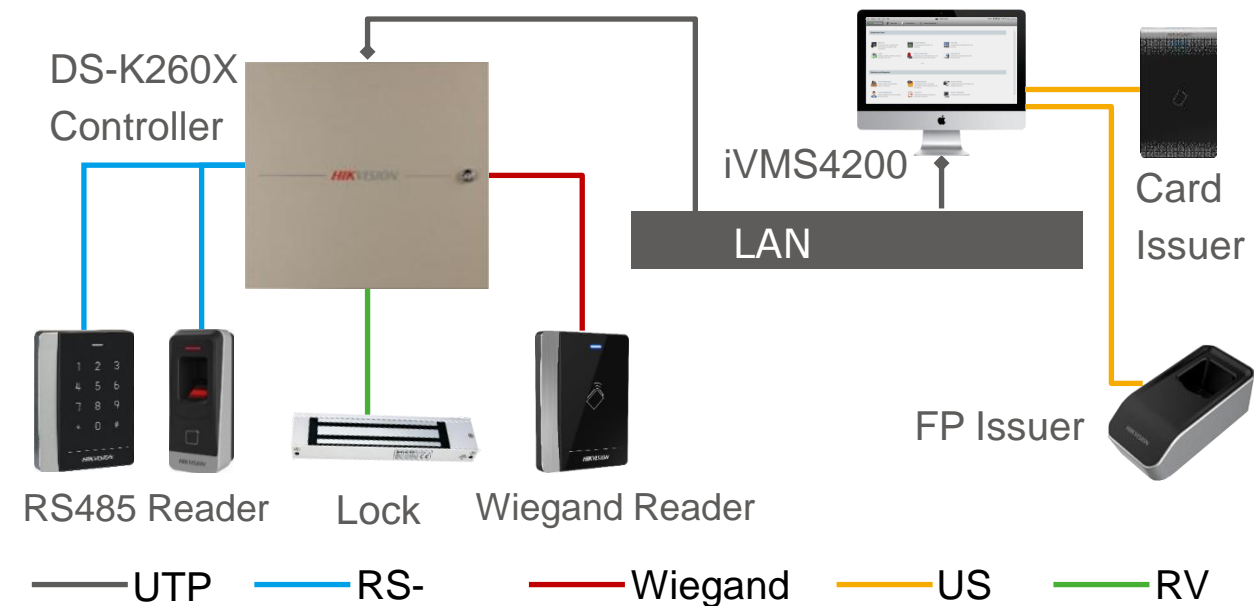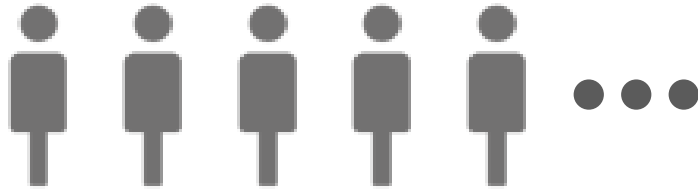## Specification

100K cards
200K expandable

300K events
600K expandable

CE, FCC, UL

Configuration

DS-K260X Controller

iVMS4200

LAN

RS485 Reader

Lock

Wiegand Reader

Card Issuer

FP Issuer

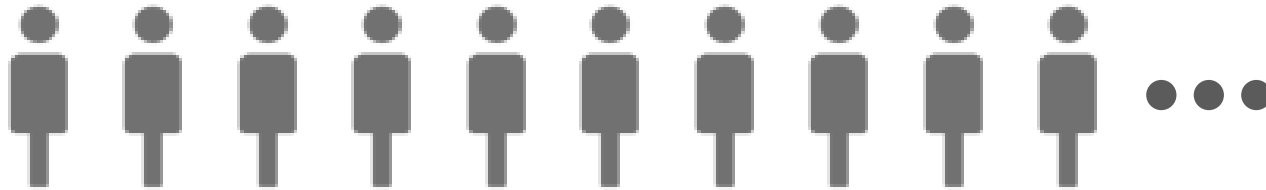—— UTP ——— RS- ——— Wiegand ——— US ——— RV

Pro Controller USP – High Capacity

100,000 Cards
Support 100,000 cards by default

200,000 Cards
Support 200,000 cards expandable
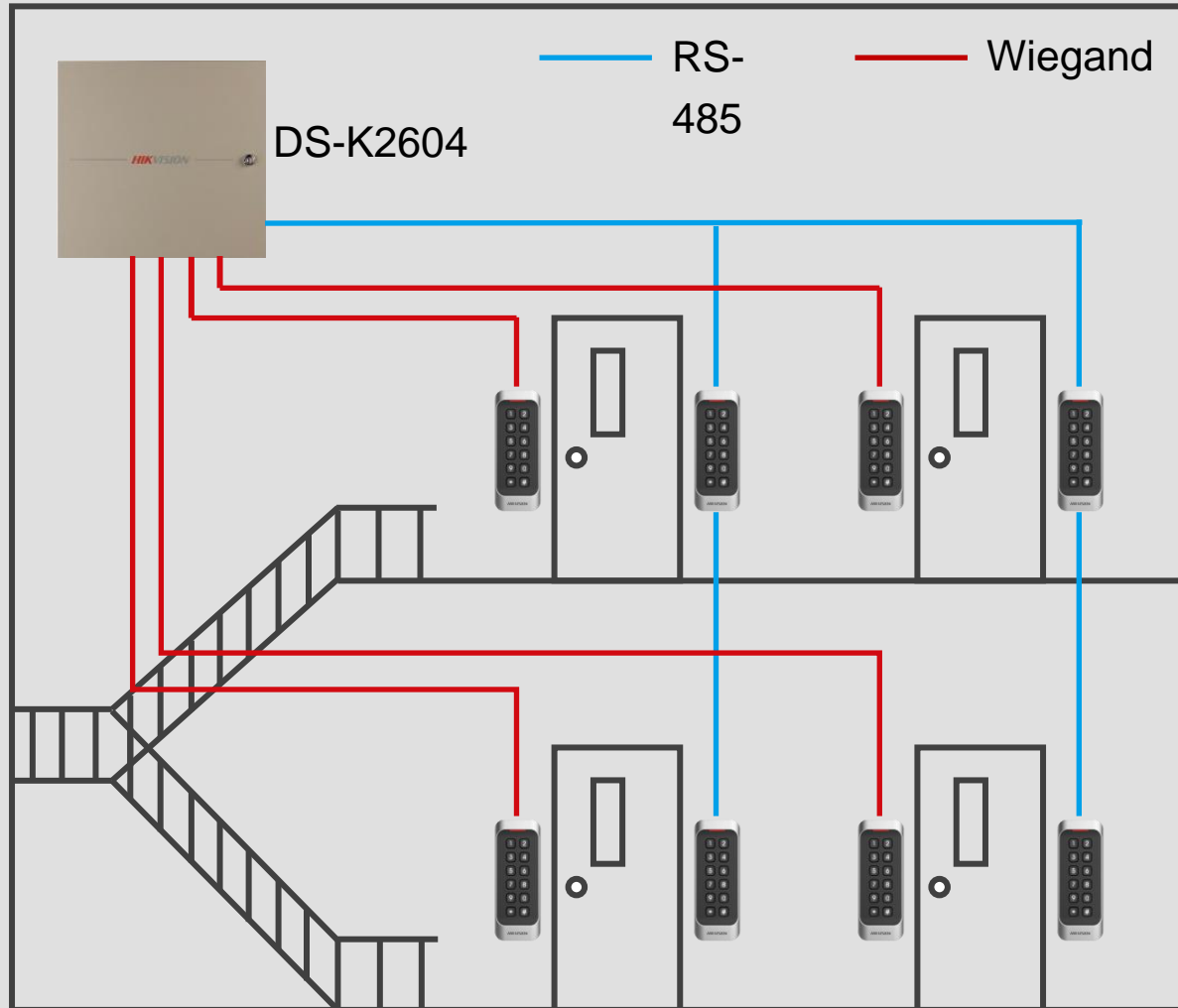
300,000 Events
Support 300,000 events by default

600,000 Events
Support 600,000 events expandable

Pro Controller Max 4 Doors and 8 Readers

DS-K2604

RS-485 (legend line)

Wiegand (legend line)

Wiegand Wiring

- Point to point wiring
- Max 4 wiegand readers connect to DS-K2604
- Max 100 meters Wiegand wiring distance
- 3rd party wiegand(wiegand26/34) reader

RS485 Wiring

- Hand by hand wiring
- Max 8 RS485 readers connect to DS-K2604
- Max 1200 meters RS485 wiring distance
- FP Reader supported by RS-485

SAFEHOUSE SECURITY
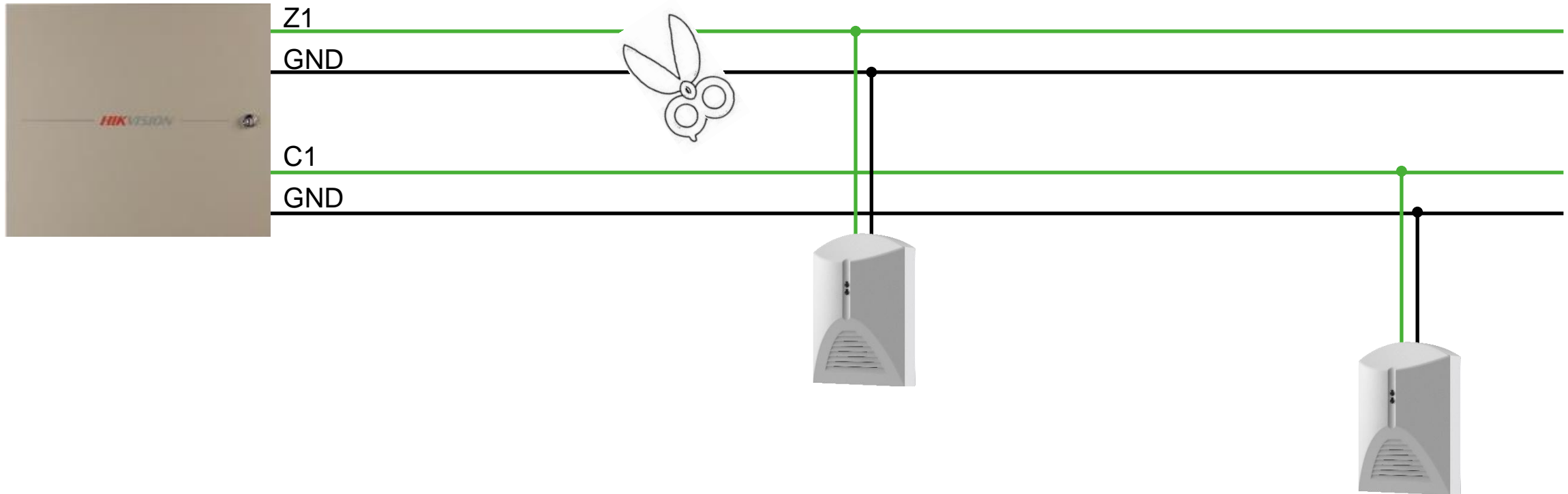
Pro Controller USP – Backup Battery
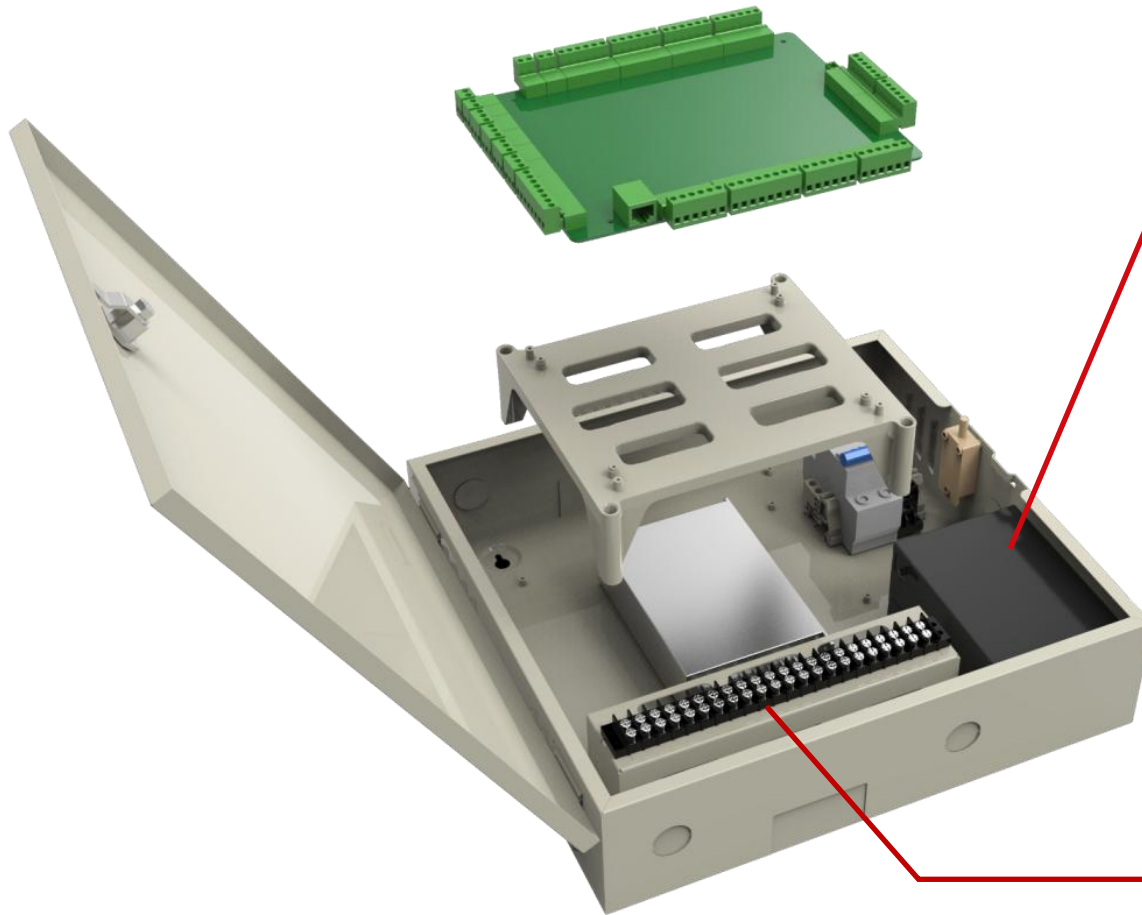
Backup Battery

Keep system secured when controller is power-off

Wiring Distribution

For easy connection, such as card reader, exit button, lock
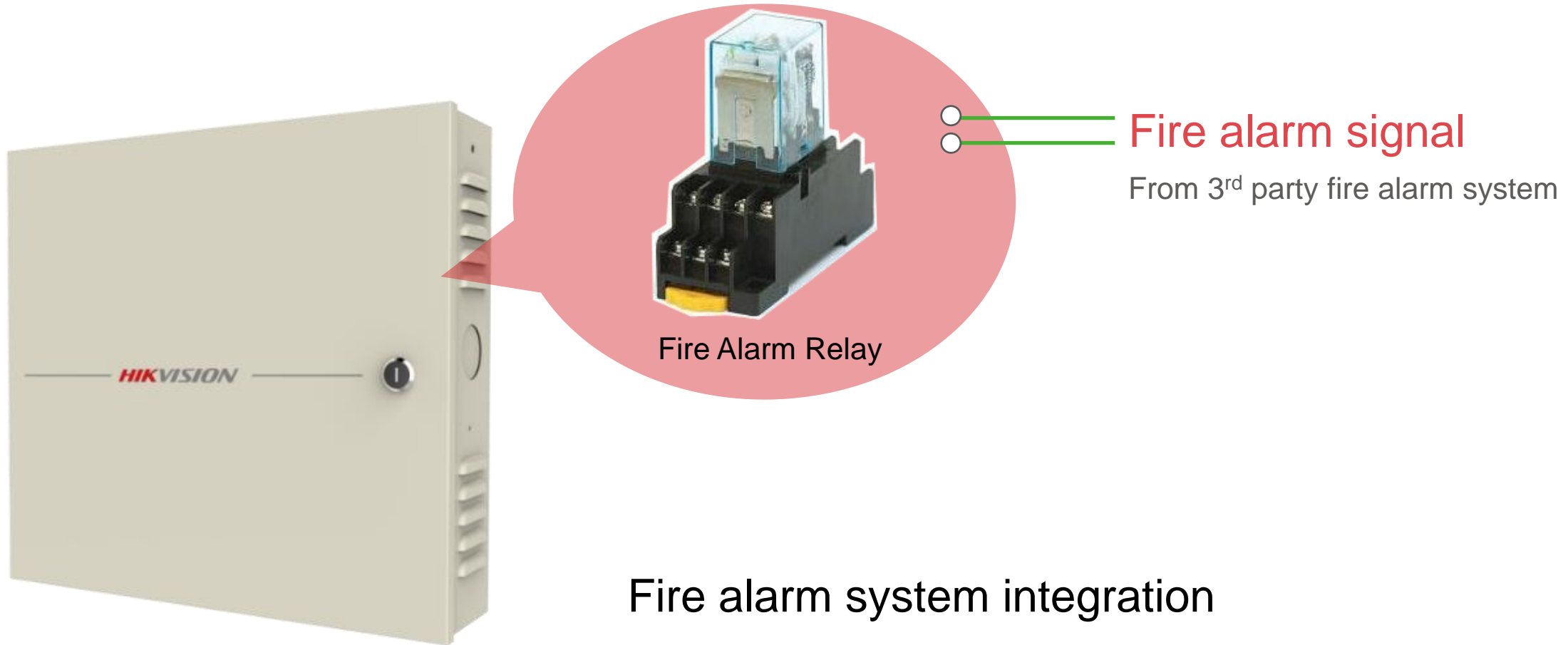
Pro Controller USP – Zone Alarm

Zone Alarm / 4 zones

Controller can monitor the detectors' status.

Case Input / 8 case input

Controller **cannot** monitor the detectors' status.

Pro Controller - 3rd Party System Integration

Fire Alarm Relay

Fire alarm signal

From 3rd party fire alarm system

Fire alarm system integration

Fire alarm relay will cut off lock power when the fire alarm is triggered
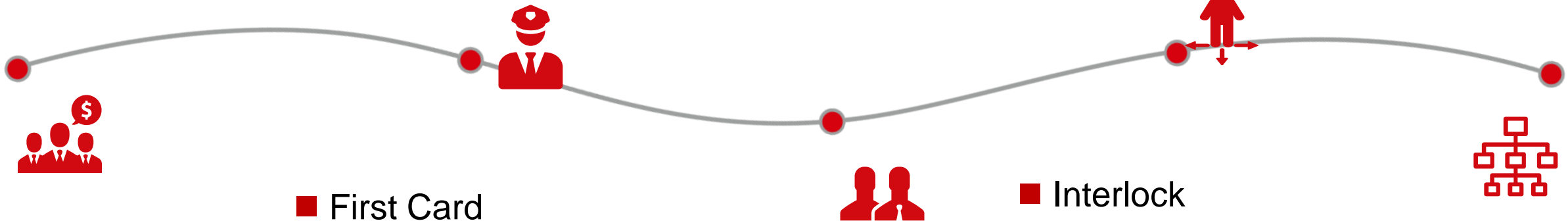
Pro Controller – Advanced Access Control

HIKVISION®

■ Multiple Authentication

Manage the cards by group and set the authentication for multiple cards for one access control point.

■ Linkage

One event is linked to trigger another events.

■ Anti-passing Back

Pass the access control point according to the specified path.

■ First Card

The door remains open for the configured time duration after the first card swiping until the remain open duration ends.

■ Interlock

To open one of the interlock configured doors, other doors must keep closed.

SAFEHOUSE SECURITY

DS-K1201

Fingerprint and card reader

DS-K1201EF/MF

RS485 uplink

● 5000 Fingerprints

Tamper-proof

● IP65, -40℃ - 70 ℃

Replace the discontinued Model: ~~DS-K1200EF/MF~~

DS-K1100 Series

Professional card reader

- RS485, Wiegand 26/34 protocol

  CE, FCC

  IP64, -40℃ - 70 ℃, Tamper-proof
- IP65, Vandal-proof IK10 only for DS-K1104

DS-K1101M/MK

DS-K1102E/M/EK/MK

DS-K1108E/M/EK/MK

DS-K1107E/M/EK/MK

DS-K1104M/MK

DS-K1103M/MK

Comparison - 26 Series & 28 Series

High-end DS-K2600 Series	Economical DS-K2800 Series
100,000 Cards, 300,000 Event Records	10,000 Cards, 50,000 Event Records
Support Wiegand and RS485 reader	Only support Wiegand reader
Communicate with Client by TCP/IP or RS485	Only communicate with Client by TCP/IP
Multiple Authentication, Anti-pass back, Multi-door interlock	
4-zone alarm input function, fire alarm relay	

Access Control Hardware Family

HIKVISION®

Pro Controller

Eco Controller

Pro FP/Card Reader

Eco Card Reader

Swing Barrier

Elevator Controller

Pro Terminal

Eco Terminal

All-in-one Terminal

Face recognition

Comparison - Card Reader

DS-K1101	DS-K1102	DS-K1103	DS-K1104	DS-K1107	DS-K1108	DS-K1201	DS-K1801	DS-K1802
Pro	Pro	Pro	Pro	Pro	Pro	Pro	Eco	Eco
Wiegand 26 & 34	Wiegand 26 & 34	Wiegand 26 & 34	Wiegand 26 & 34	Wiegand 26 & 34	Wiegand 26 & 34	-	Wiegand 26 & 34	Wiegand 26 & 34
RS-485	RS-485	RS-485	RS-485	RS-485	RS-485	RS-485	-	-
-	-	-	IK10	-	-	-	-	-
IP 64	IP 64	IP 64	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
Mifare-1 13.56MHz	Mifare-1 13.56MHz	Mifare-1 13.56MHz	Mifare-1 13.56MHz	Mifare-1 13.56MHz	Mifare-1 13.56MHz	Mifare-1 13.56MHz	Mifare-1 13.56MHz	Mifare-1 13.56MHz
-	EM 125KHz	EM 125KHz	EM 125KHz	EM 125KHz	EM 125KHz	EM 125KHz	EM 125KHz	EM 125KHz
Gang box 120	Gang box 86 or 120	Gang box 120	Gang box 86 or 120	Gang box Not Support	Gang box 86 or 120	Gang box Not Support	Gang box 86	Gang box Not Support

Electric Locks

DS-K4T100

Size: 205×35×40mm
Support Thrust of 800kg

DS-K4H250S

Size: 240×49×25.5mm
Support Thrust of 300kg

DS-K4H250D

Size: 205×35×40mm
Support Thrust of 600kg

DS-K4H450DC

Size: 205×35×40mm
Support Thrust of 1000kg

DS-K4T100-U1

Lower U-bracket
Using with DS-K4T100

DS-K4T100-U2

Upper and lower U-bracket
Using with DS-K4T100

DS-K4H250-LZ

LZ-Bracket
Using with DS-K4T250S/D

DS-K4H250-U

U-Bracket
Using with DS-K4T250S/D

Exit Button

DS-K7P01
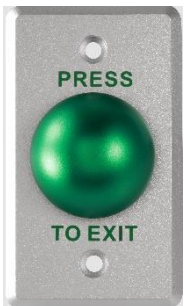
Size: 86×86×28.9mm

DS-K7P02

Size: 90×35×28.9mm

DS-K7P03

Size: 86×86×25.7mm

DS-K7P04

Size: 90×35×37.7mm

DS-K7P05

Size: 86×50×44mm

DS-K7P06

Size: 87.7×87.7×44mm

DS-K7PEB

Size: 86×86×50mm

DS-K3B601

Intelligent security swing barrier

DS-K3B601-L/M/R

Features

Unauthorized personnel intrusion alarm

Anti-trailing control

anti-pinch function

Anti-collision function

Fail safe for emergency situation

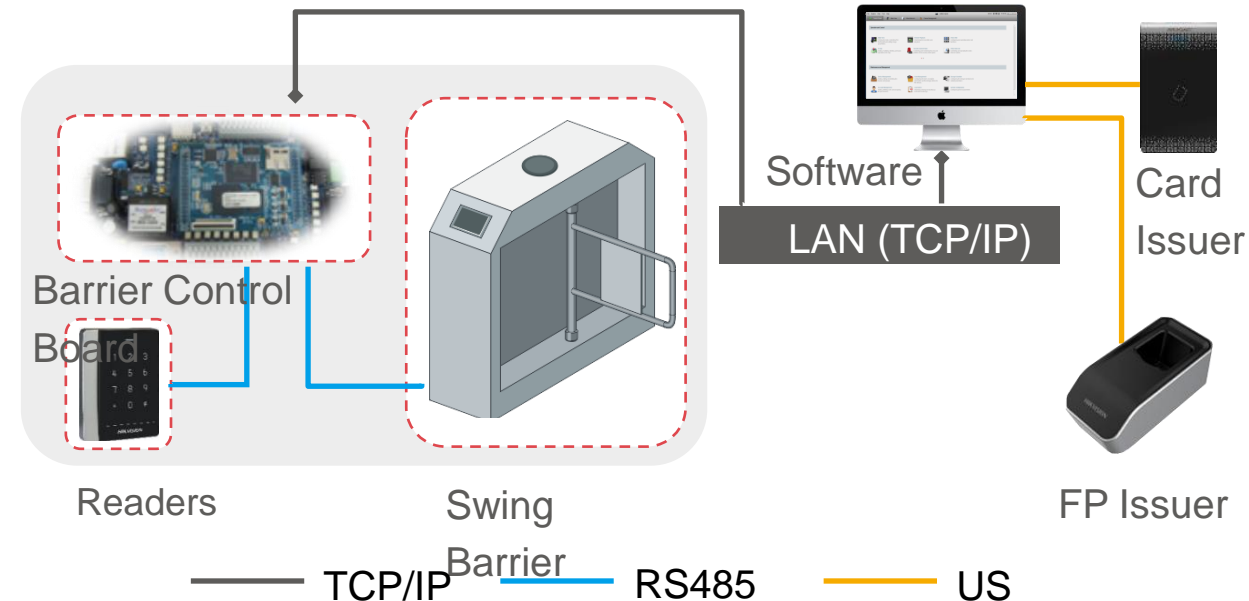## Specification

> 5000,000 times of swing

12 pairs of infrared sensors

30 – 40 passage frequency

550 mm – 1100mm aisle width

AISI304 stainless steel,thickness:1.5mm

IP54

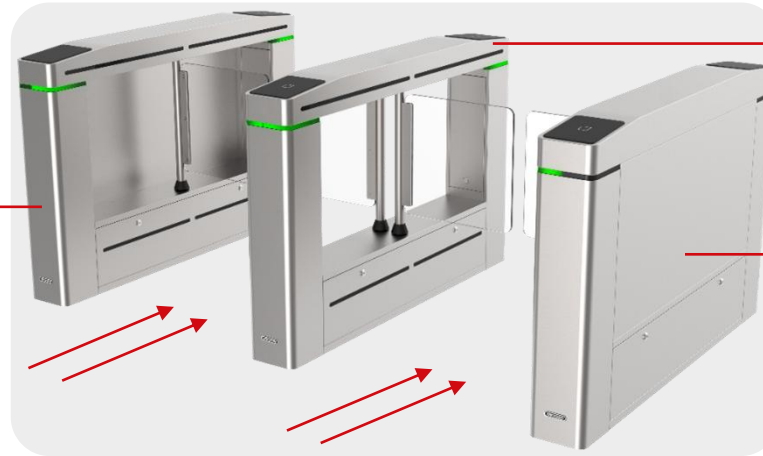## Configuration

Barrier Control Board

Software

LAN (TCP/IP)

Card Issuer

FP Issuer

Readers

Swing Barrier

—— TCP/IP   —— RS485   —— US

Swing Barrier Basic Introduction – Combination

M: Middle panel with double barrier control modules

L: Left panel with single barrier control module

R: Right panel with single barrier control module

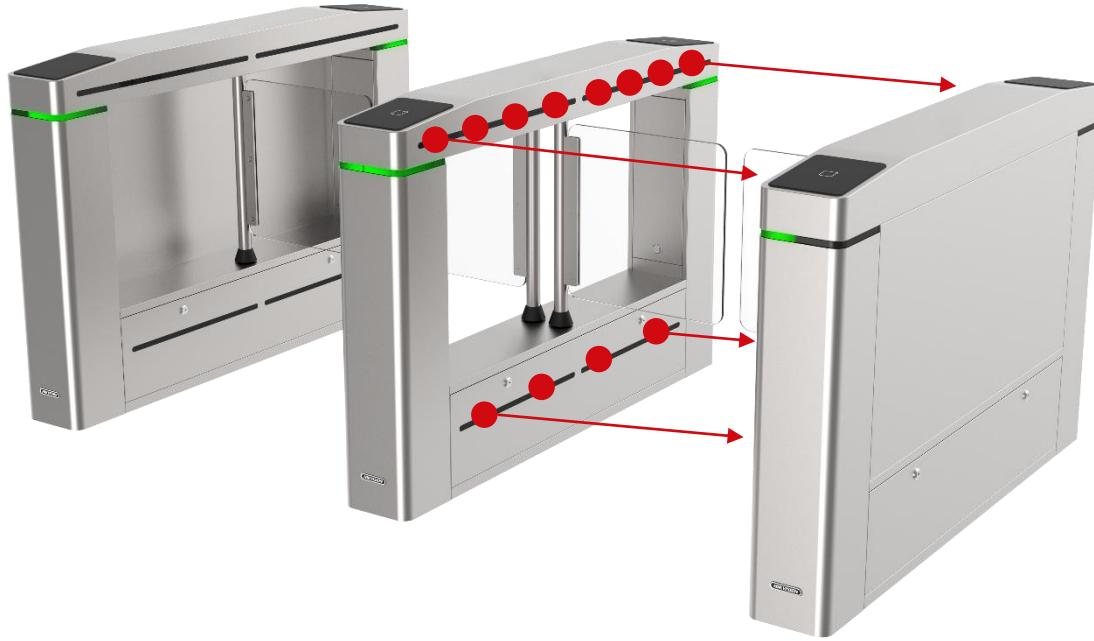In front of the swing barrier, controller is in the right panel.

Single Channel

Two Channels

Three Channels

Swing Barrier USP – Alarm Function

12 pairs of infrared sensors

⚠ **Unauthorized personnel intrusion alarm**

The turnstiles have no sensors to detect personnel passing through, but the swing barrier has infrared sensor that can trigger the alarm when unauthorized personnel intrudes.

⚠ **Anti-trailing control**

Combine 12 pairs of infrared sensors and algorithm analysis, it will trigger the anti-trail alarm when someone tracks other personnel.

Infrared Sensor
1 pair of infrared sensor includes
1 emitter and 1 receiver

emitter ●————————● receiver

Swing Barrier USP – Protection Mechanism

AISI304 stainless steel
Thickness:1.5mm

Anti-pinch function

In the process of door reset, automatic rebound or the motor automatically stop working in the specified time if meeting resistance, while the sound and light alarming will be triggered.

Anti-collision function

In the absence of receiving the door signal, the door automatically locked

Swing Barrier USP – High Light Features

High MCBF
More than 5000,000 times of swing

Fast Passing Rate
30 – 40 passage frequency per minute

Quick Respond Time
Less than 0.5s operation time after verifying successful

Servo motor
Keep fast and stable operation

DS-K5603-Z

Face recognition terminal

- 10.1 inch LCD Touch Screen

- 200 MP Camera, 1080P, automatic focusing and self-adapt to different statural people

- 10,000 faces, 50,000 cards and 50,000 events adopt deep learning algorithm, more fast and accurate

- Face Recognition Accuracy Rate > 99%
  Face Recognition Duration(1:N) ≤ 0.6s
  Face Recognition Distance: 0.3m ~ 1m

- Using dual camera to realize 3D face modeling, which prevents fake face from passing.

- Will release sample for trial in 2018

DS-K3B601 + DS-K5603-Z

Intelligent security swing barrier with face recognition terminal

🔴 10,000 faces, 50,000 cards and 50,000 events adopt deep learning algorithm, more fast and accurate

🔴 30 – 40 passage frequency

RS232 communication between face recognition terminal and swing barrier

IP54

Product Highlights – Face Technology School Demo Video

Sanjivani Group of Institute – Kopargaon (Maharashtra)

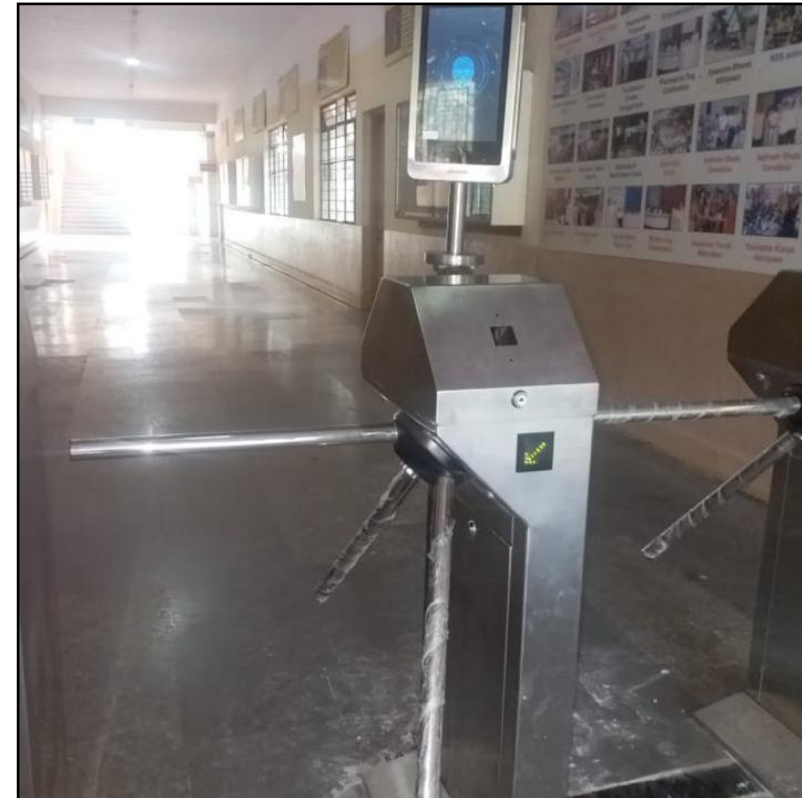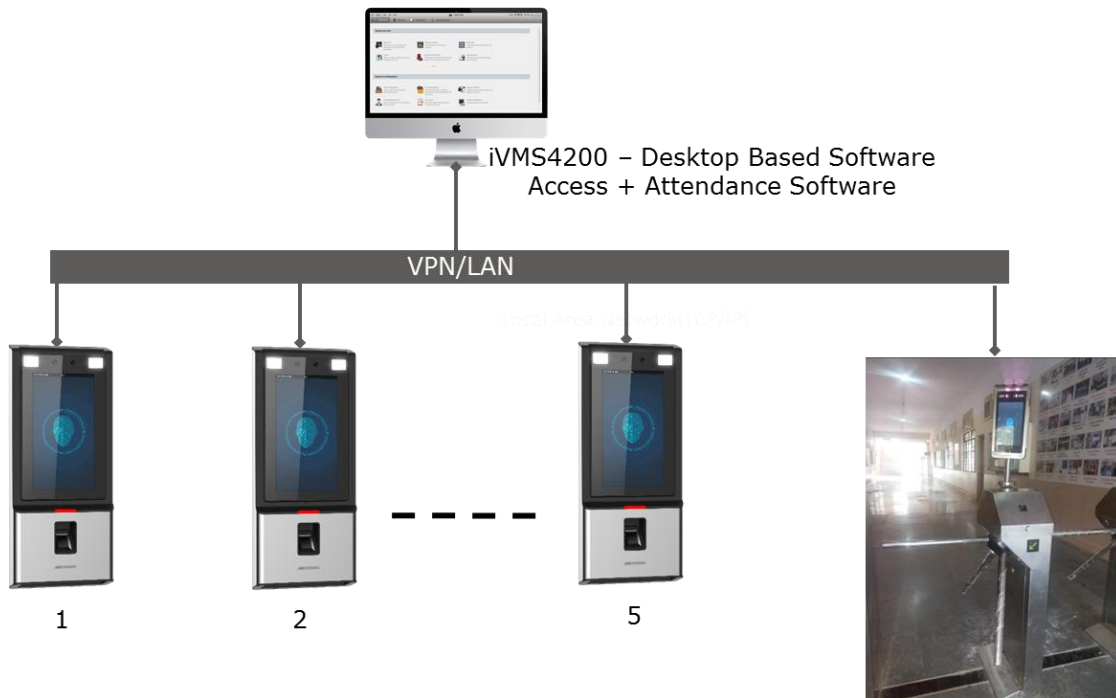**Application** – Attendance Management of Students

Installation – 2018

Site Info – 3rd Party Turnstile Integration with DS-K5603-Z

Solution Benefit – Online Attendance Management for Student , College
Verify 60% Attendance of Students to get Appear in Exam
as per the

Product - DS-K5603-Z – 4 Qty + DS-K1T606MF – 6 Qty

Turnstile Mounted & Wall Mounted Face Terminal

Site Images

Solution Architecture

iVMS4200 – Desktop Based Software
Access + Attendance Software

VPN/LAN

Local Area Network(TCP/IP)

1   2   5

Kalinga Institute of Social Sciences (KISS)-Bhubaneshwar

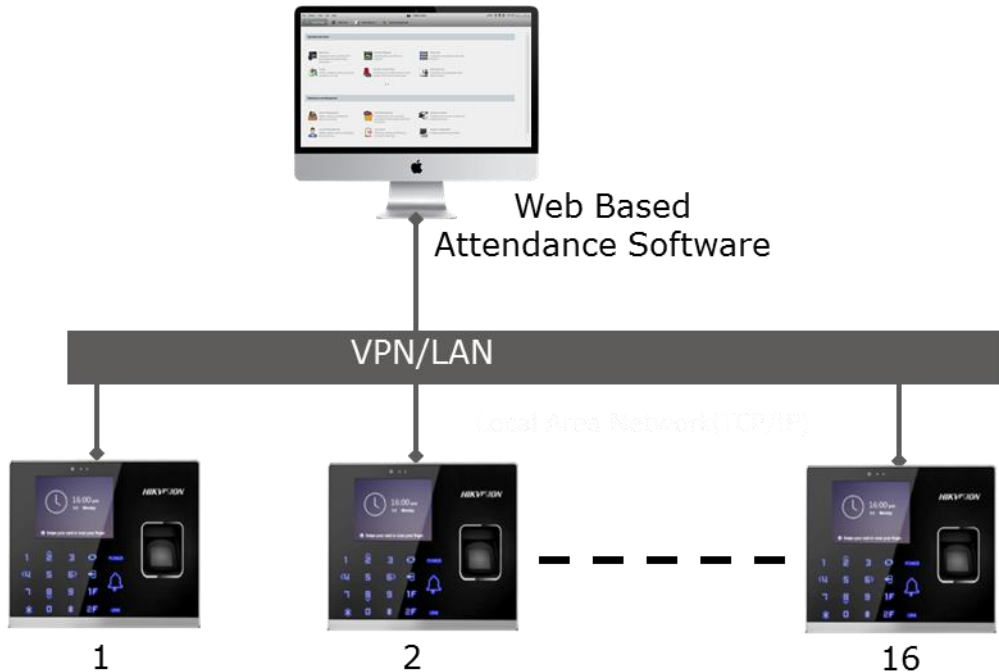**Application** – Attendance Management of Employees & Students

Installation – FEB 2017

Site Info – 16 Terminals , 3000+ Users (Staff & Students)

Solution Benefit – Online Attendance Management of Student to verify 60% Attendance Criteria

Product - DS-K1T200MF-C

Access + Attendance Terminal

Site Images

Solution Architecture

Web Based Attendance Software

VPN/LAN

Local Area Network(TCP/IP)

1   2   16

All in one solution

Video Intercom

Door Station / indoor Station

Access Control

Standalone Terminal

Multi-door Access Controller

LAN
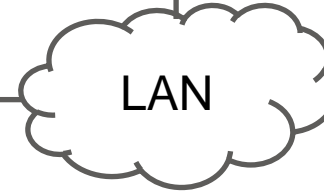
PC Software

iVMS-4200

Web Software

iVMS-5200E

Video Surveillance

DVR/NVR

Alarm System

Alarm panel

Thank You

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