PRODUCT
CATALOGUE
SMART COMMUNITY SOLUTION

A comprehensive smart solution for neighbourhood with security enhancement for Barrier Gate, Smart Door Lock, CCTV and Visitor Management System.

PDPA AND GDPR COMPLIANT
ISO27001 and CMMi Level 3 certified

INTEGRATION
Seamless integration with all systems

HIGH BACKEND SECURITY
i-Neighbour performs Penetration Test on regular basis for better cyber security

24/7 SUPPORT

SERVICE LEVEL AGREEMENT (SLA)
After sales service guaranteed

SERVER
Amazon AWS – Singapore (most secure and reliable server with lowest downtime in the world)

WHITE LABEL PROGRAM
For Developers who wish to have their own App.

12 LANGUAGES
English, Malay, Chinese Traditional, Chinese Simplified, Nepali, Arabic, Spanish, indonesian, Thai, Vietnamese, Hindi, Turkish and more.

TABLE OF CONTENTS
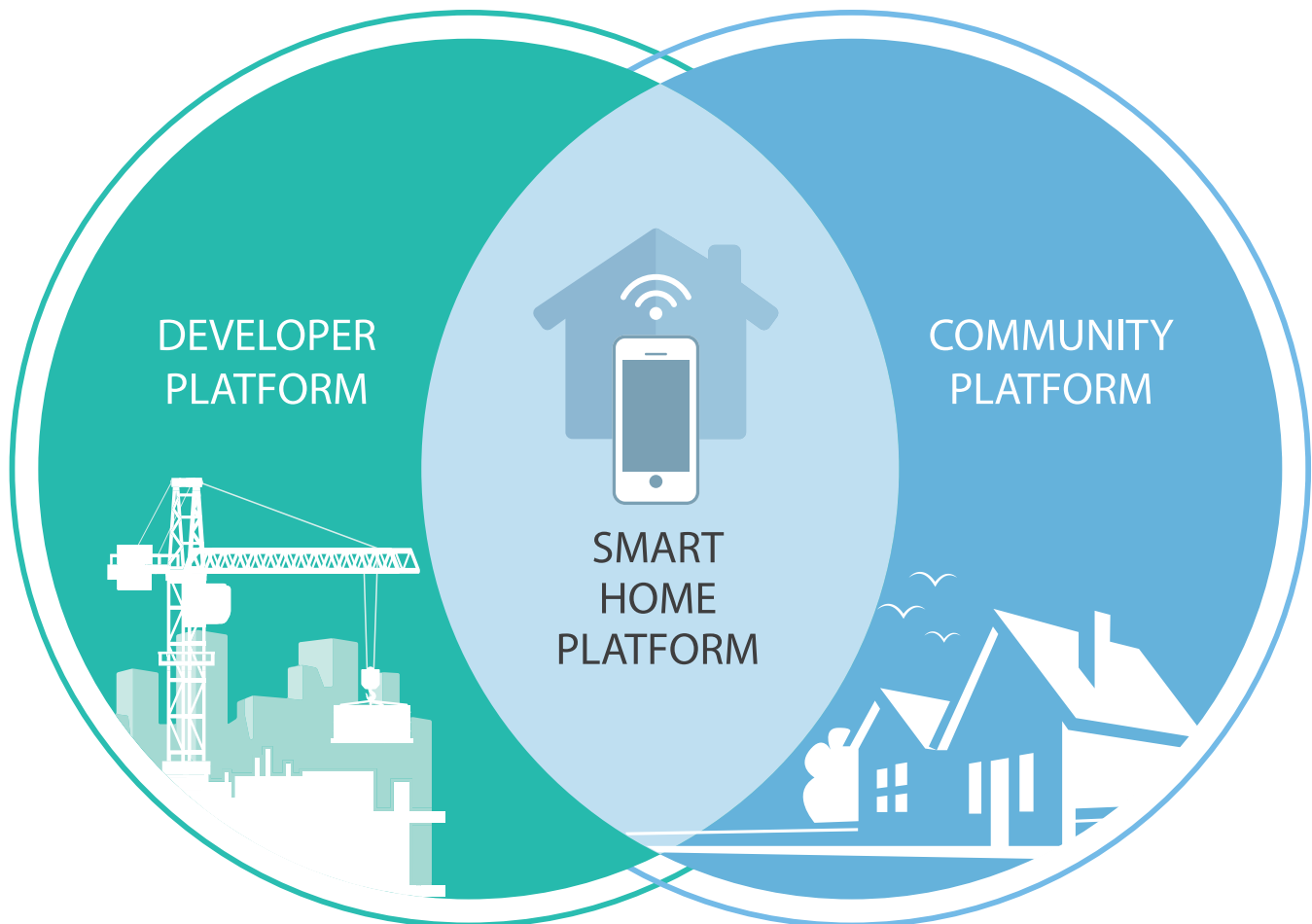
i-NEIGHBOUR SMART RESIDENTIAL COMMUNITY ECOSYSTEM

All the three platforms' individual system can work as a standalone and they can be seamlessly integrated into a comprehensive ecosystem

DEVELOPER PLATFORM

SMART HOME PLATFORM

COMMUNITY PLATFORM

i-Neighbour Developer Platform consists of modules that cater to a residential housing project's timeline starting from the launch to vacant possession or also known as key handover, until the completion of defect management, before the house buyers started moving into a neighborhood.

From the Developer Platform to **Smart Community Platform**, i-Neighbour ecosystem ensures the smooth handover of property to individual buyer, and also the smooth transition of i-Neighbour management system from the developer to the joint management body, or JMB.

If any housing developers would like to pre-install a Smart Home System that impresses house buyers, i-Neighbour **Smart Home Platform** will do just that by enabling the integration of the Smart Home System with i-Neighbour Smart Community System to be of practical use, for example, a wireless smart alarm system that can trigger the guardhouse tablet panel and siren kit during emergencies.

VACANT POSSESSION (VP)

DEFECT MANAGEMENT

GENERAL MANAGEMENT

PROGRESSIVE BILLING

TOPOGRAPHY SURVEY & SITE INSPECTION (DRONE)

VIRTUAL REALITY SHOWHOUSE (VR)

i-NEIGHBOUR
DEVELOPER PLATFORM

Consists of the first 4 main integrated modules that can be migrated to i-Neighbour Smart Community Platform after the defect warranty period is over, plus the latter 2 smart services to help Developers save time and cost during construction and marketing.
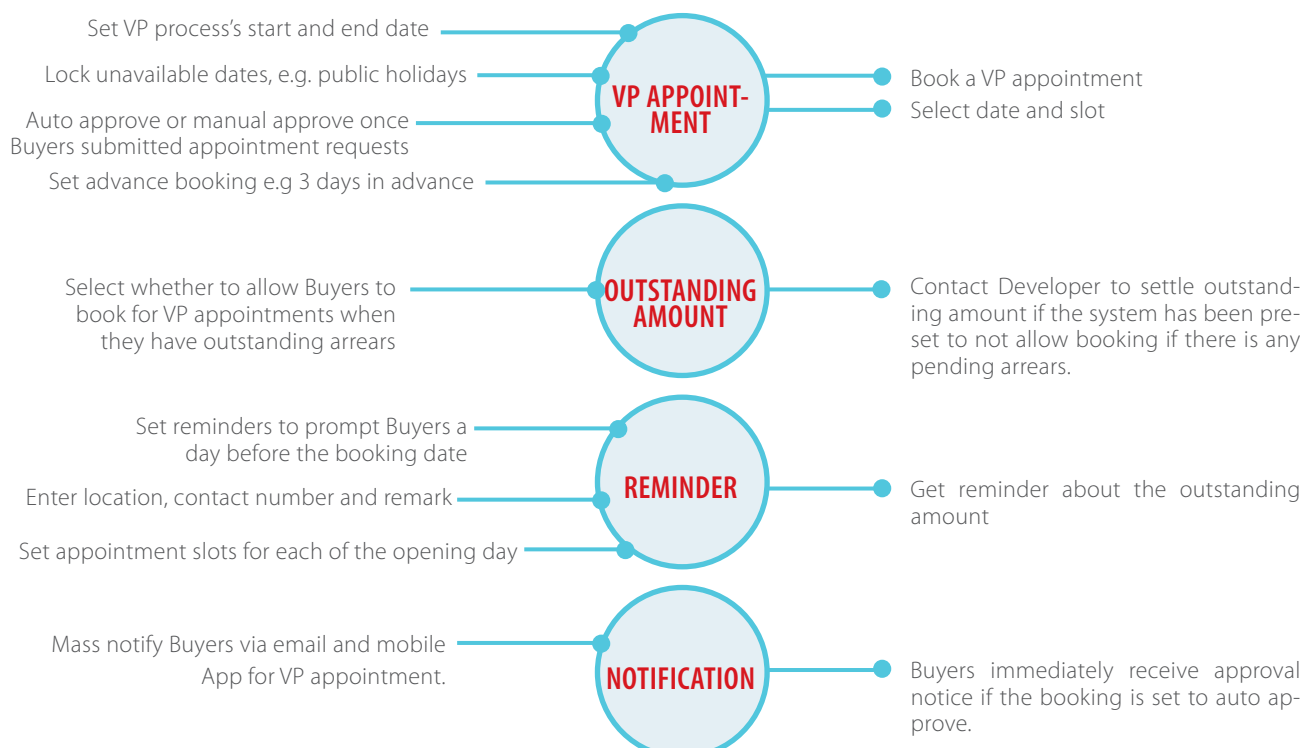
i-NEIGHBOUR
DEVELOPER
PLATFORM

VACANT POSSESSION (VP)

Schedule a hassle-free key handover process with house buyers

DEVELOPER ADMIN	HOUSE BUYER

VP APPOINTMENT

Developer Admin
- Set VP process's start and end date
- Lock unavailable dates, e.g. public holidays
- Auto approve or manual approve once Buyers submitted appointment requests
- Set advance booking e.g 3 days in advance

House Buyer
- Book a VP appointment
- Select date and slot

OUTSTANDING AMOUNT

Developer Admin
- Select whether to allow Buyers to book for VP appointments when they have outstanding arrears

House Buyer
- Contact Developer to settle outstanding amount if the system has been pre-set to not allow booking if there is any pending arrears.

REMINDER

Developer Admin
- Set reminders to prompt Buyers a day before the booking date
- Enter location, contact number and remark
- Set appointment slots for each of the opening day

House Buyer
- Get reminder about the outstanding amount

NOTIFICATION

Developer Admin
- Mass notify Buyers via email and mobile App for VP appointment.

House Buyer
- Buyers immediately receive approval notice if the booking is set to auto approve.

Web Portal for VP setup

To approve or to reject appointment

Book a VP appointment

Booking failed due to outstanding amount

i-NEIGHBOUR
DEVELOPER PLATFORM

DEFECT MANAGEMENT

A platform for house buyers and developers to lodge and receive defect reports complete with tracking for faster rectifications

HOUSE BUYER

- Lodge defect reports
- Up to 10 cases per submission/ ticket.
- Get notice upon defect submission.
- Auto-ticket ID for each case will be issued, both parties get notified.
- Monitor defect updates on time.
- Schedule joint inspection
  - Buyer satisfies - close ticket
  - Buyer dissatisfies - continue with repair
- Only Buyers have the right to close defect tickets.

DEVELOPER

- Monitor all the reported cases and follow up closely
- Categorize defect reports into 4 categories: pending < 10 days, 11 - 20 days, 21 - 30 days and > 30 days.
- Receive auto-daily reports for all the pending cases.
- Notify superiors via email and App notification about tickets that are pending for 21-30 days and more than 30 days
- Send message to Buyers to update on defect rectification progress
- Search by unit number and ticket ID, and export defect reports in pdf. and xls. Formats
- Close the ticket with e-signature of the Buyer when the defects are resolved during a joint inspection
- Generate and print various defect reports including ticketing monitoring report, statistical reports, ticket listing, assigned ticket report and etc.

DEFECT CONTRACTOR

- View details and all defect cases reported under one Ticket ID
- Mark individual case (maximum 10 cases in one ticket) as resolved.
- Schedule for a joint inspection with the Buyer.

Admin Defect
Management Page
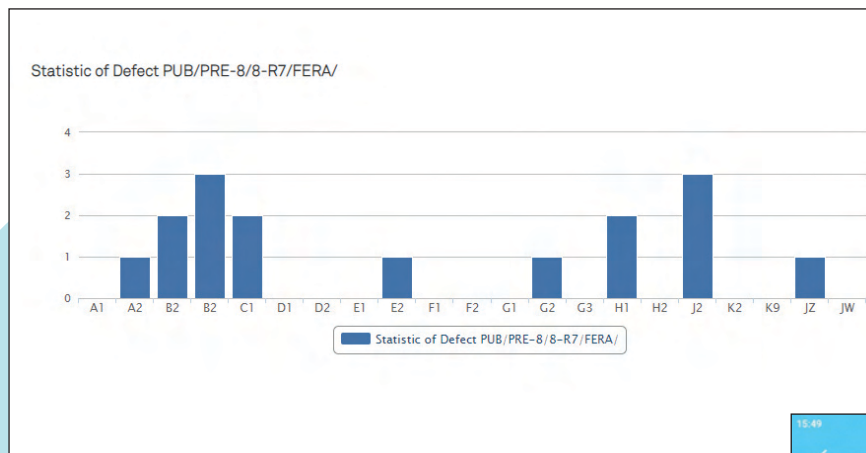
Admin Defect
Statistics Page

Report Defects

Joint Inspection
Appointment

Buyer
closing
ticket

i-NEIGHBOUR
DEVELOPER
PLATFORM

GENERAL MANAGEMENT

An exclusive platform to connect and communicate effectively with Buyers

DEVELOPER ADMIN	HOUSE BUYER

DEVELOPER

ANNOUNCEMENT
Developer publish announcements to Buyers

POLL
Developer creates e-poll - Buyers participate

EVENTS
Developer upload events - Buyers enroll/decline to join

INFO ZONE
Developer creates documents and folder library - Buyers access

CONTACTS
Developer creates contacts - Buyers access the contacts

E-FORMS
Developer uploads e-forms for e.g. move in, renovation and many more - Buyers use

HOUSE BUYER

• Announcements
• Events • E-Documents

• Contacts • E-forms

Admin page -
Unit set up

i-NEIGHBOUR
DEVELOPER
PLATFORM

PROGRESSIVE BILLING

Managing billings and payments between developers and buyers conveniently

DEVELOPER ACCOUNT CLERK

Create customers' monthly bills

Create customers' statements

Generate late payment interest invoices

Walk-in payment handling

Print customers' receipts

CUSTOMERS

SUPPLIERS

Create suppliers' invoices

Create suppliers' payments

Upload electricity meter readings

Upload water meter readings

UTILITIES

DEFAULTERS

Generate Notice of Demand for defaulters

DEVELOPER ACCOUNTANT

HOUSE BUYER

CONFIGURE CHART OF ACCOUNTS

MANAGE UNITS

CONFIGURE MONTHLY CHARGES

DO BANK RECONCILIA-TION

GENERATE

Customer Aging reports

Supplier Aging reports

Trial Balance report

Balance Sheet report

Profit and Loss report with comparison to budget or the previous year's results

CHECK MONTHLY BILLS

MAKE PAYMENTS

VIEW MONTHLY STATEMENTS

E-Billing

Make payments
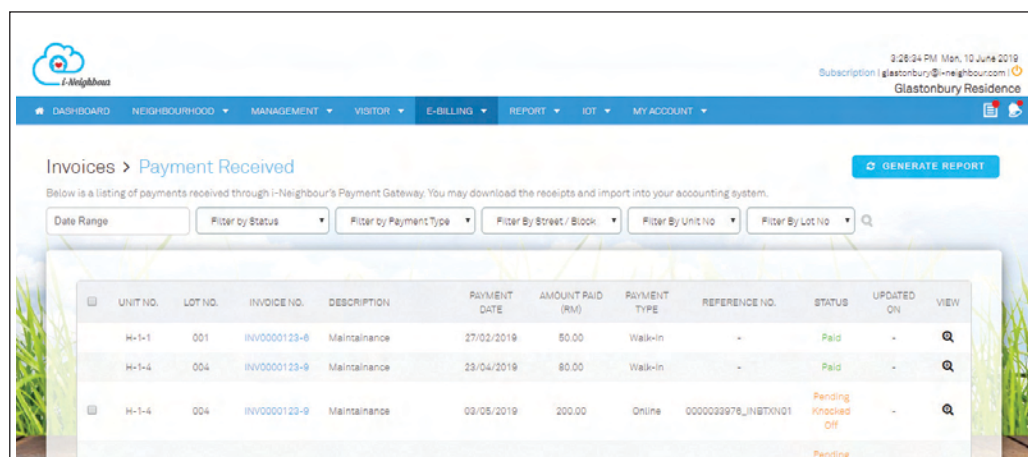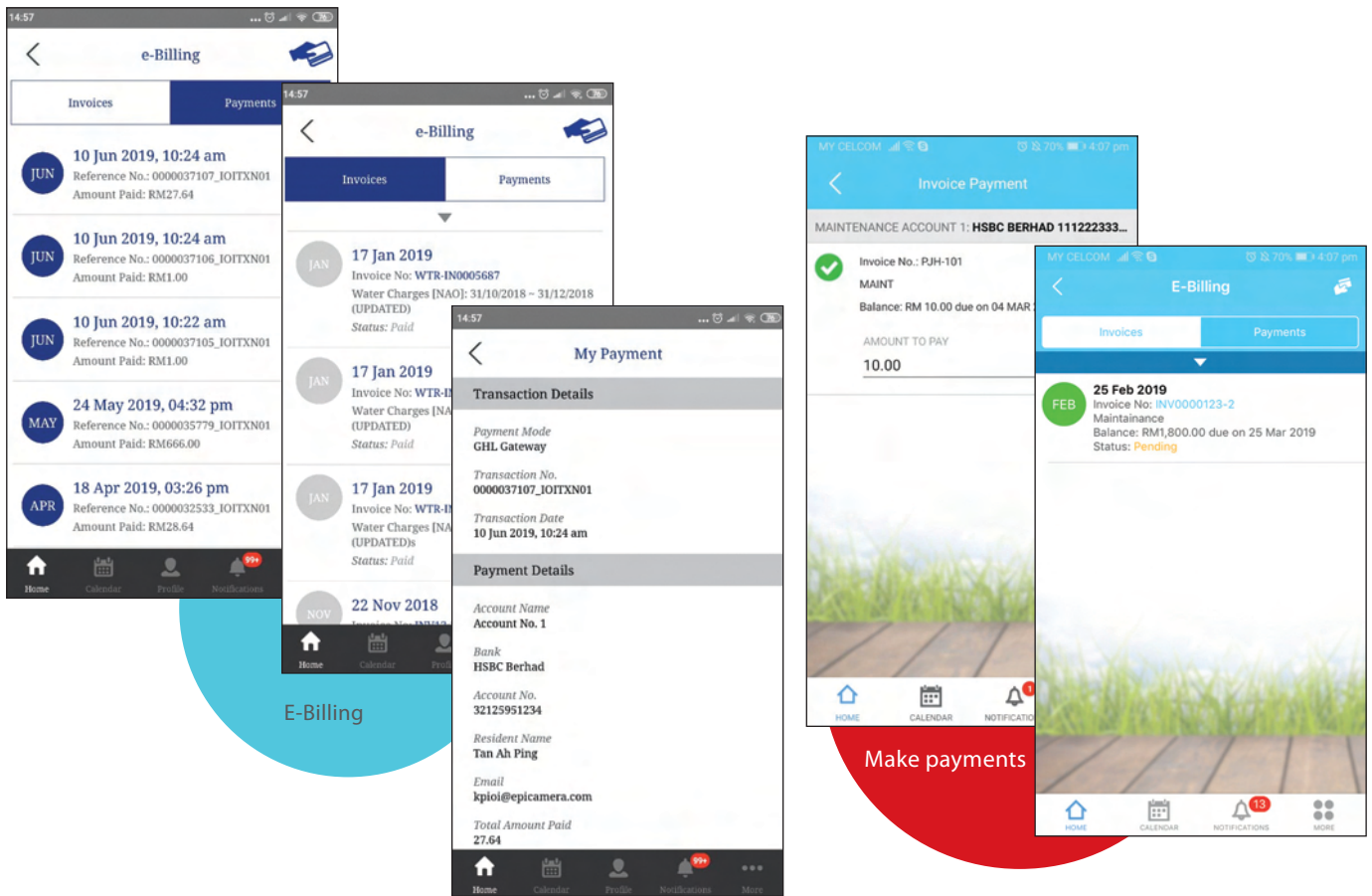
Check payment history

i-Neighbour Developer Platform **integrates some developer's accounting systems** like IFCA and payment gateways like e-GHL to automate billings and payments. Hence, every time developers generate monthly bills, the bills will be auto-uploaded into i-Neighbour's Developer Platform and delivered to individual Buyers in batches. Likewise, when Buyers make payments through the i-Neighbour App or Web Portal, the information in the developer's account system will be updated automatically.

i-NEIGHBOUR
DEVELOPER PLATFORM

TOPOGRAPHY SURVEY & SITE INSPECTION (DRONE)

Deploying Unmanned Aerial Vehicle (UAV) and Data Analytic technology to deliver highly cost-effective services for housing development project

Depending on the complexity of site conditions and the accessibility of the areas and structures under observation, the construction works related to it such as site surveying, progress tracking, logistical planning and resource monitoring are time consuming, labor intensive, high-risk and not to mention highly costly, and rather ineffective. We provide professional UAV services that enable project owners to collect, store, combine and analyze high-resolution aerial images for site inspection and project tracking. Engineers, architects and project managers can now use highly accurate data to make faster and better decisions.

PRE-CONSTRUCTION	ON-GOING CONSTRUCTION	POST-CONSTRUCTION
● Base model generation for CAD designs	● Inspection on hardly accessible and inaccessible areas	● Comparison of actual vs planned construction work
● Site conditions assessment	● Construction progress tracking and monitoring	● New fault or distress detection caused by construction work
● Site surveying and measurements (distance, perimeter, volume, etc.)	● Earthwork and inventory measurement (stockpile, extracted materials, etc.)	● Neighbouring land impact surveying and assessment
● Physical and environmental hazards detection	● Construction assets monitoring (aggregates, materials, equipment, etc.)	● Final position and adequacy of all completed work surveying

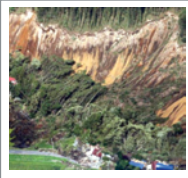## OUR SOLUTIONS FOR THE CONSTRUCTION SECTOR

Mapping
- Digital Terrain Modelling (DTM) for height and elevation data of entire site
- Digital Elevation Modelling (DEM) for height and depth of entire site

Volumetric analysis
- Excavated area and volume measurements
- Extracted stock piles and inventory volumetric calculations
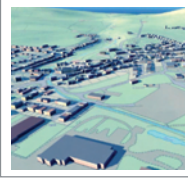
2D and 3D modelling
- High quality 2D maps for progress tracking and monitoring
- Interactive 3D view of different project phases

High resolution imagery
- Geo-tagged high-resolution images of entire site for fast situation assessment
- Live video streaming of high risk and complex operations

Close-up inspection
- Hardly accessible spot inspection
- Compliance and standard requirements inspection
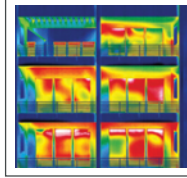
Thermal inspection
- Building insulations compliance inspection
- Heat loss detection analysis

Landslide hazard monitoring
- Slope condition measurement and analysis
- Landslide risk assessment and in-situ monitoring

Online cloud platform
- Cloud-based data analytics and management tool for overall project tracking
- Multiple user accessibility for timely exchange of information

DEVELOPER BENEFITS

Safety
- Improve personnel safety - Site inspectors get less exposure to construction hazards
- Enhance operational safety - On-site live monitoring of high risk and complex operations

Reporting
- Timely reporting to track progress better - Speed-up decision making
- Multitude of geo-tagged data - Effective project tracking through a single platform

Cost
- Higher precision UAV surveying at a lower cost - Faster and larger coverage than conventional methods
- Reduction of operation cost - More efficient and less operation shutdown

Resources
- Optimization of manpower and deployment - Less ground personnel for inspection, shorter notification time for UAV deployment
- Speedy adjustment of resources - Timely resource monitoring and tracking, enable efficient planning of material procurement

SMART SERVICE FOR EARTHWORK PROGRESS

STEP 1
SUBMIT REQUEST FORM

Our experienced team will contact you to understand your needs, evaluate the sites, and propose a suitable service package.

STEP 2
FLIGHT MISSION PLANNING AND DRONE OPERATIONS

We train your staff to conduct flight mission, operate drones, and manage data. Alternatively, you may engage our professional service team for drone operations.

STEP 3
UPLOAD DATA TO SECURE CLOUD SERVER

After the flight mission, you can directly upload the collected data to our secured cloud server. We will process the data, analyze results and generate report that suits your needs.

STEP 4
RECEIVE THE PROCESSED DATA AND ANALYSIS REPORT THROUGH ONLINE CLIENT PORTAL

You can retrieve the processed data and analysis report anytime, anywhere, through our online client portal. We will also provide consultancy services for result interpretation and further action planning.

i-NEIGHBOUR
DEVELOPER PLATFORM

VIRTUAL REALITY SHOWHOUSE (VR)

Ujiaku 3D Design Platform's digital showhouse is a system for developers to create a comprehensive digital real-estate virtual reality to boost unit sales

BENEFITS TO DEVELOPER

GREATLY REDUCES COST OF PHYSICAL SHOWHOUSES
Instead of building several costly showhouses, Ujiaku can showcase multiple versions of digital showhouses to Buyers and the price of a digital showhouse is only one tenth of the physical showhouse, saving developers lots of money.

SATISFIES DIFFERENT CUSTOMERS
Digital show rooms of different styles an tiers can be customized from a single layout. This greatly satisfies the requirements of different customers.

PROVIDES UTMOST CONVENIENCE
Touring physical showhouses could be time consuming and Buyers could view one house at a time. Digital showhouses provides various houses and their potentials to the Buyers complete with explanation for easier decision making process.

OFFERS BETTER COMMUNICATION
Digital showhouses can be communicated via computers, mobile phones, and other devices. Hence, Buyers can interact remotely even if they can't be there in person and this has greatly expanded marketing opportunities for developers.

REAL-TIME INTERACTION
Digital showhouses give the Buyers opportunity to change the materials and furniture in real time to create their dream home.

BENEFITS TO POTENTIAL HOUSE BUY-

REAL-TIME WALKTHROUGH
Buyers can walkthrough their future homes in real-time, without having to deal with the problems of not understanding CAD, or deal with rough rendering of digital showhouses, and other annoying problems.

ON THE SPOT EFFICIENCY
Communication in real-time proves to be more efficient where modification and enhancement can be resolved on the spot.

MULTI-PERSON INTERACTION
Interact together as one family, a direct and clear communication.

HIGH FIDELITY
Close to 99% fidelity, giving Buyers an actual feel of their future homes.

Standard Package

To develop a maximum of 5 sets roamable digital showhouses based on developer's 2D interior drawings on main houses to be showcased on a large screen, a VR or a PC at the sales offices.

- The maximum built-up size of each main house is limited to only 6000ft^2 and 4 storeys.
- Each main house design is limited to 3 styles, e.g. modern, european, and oriental. For a developer that launches a housing project with 5 main houses, a maximum of 15 sets of roamable digital houses will be provided.

To develop a maximum of 5 sets of 360 full scene of the main houses to be showcased and viral broadcasted via social media.

To develop a maximum of 5 sets video clips of roamable digital showhouses to be showcased on a large screen, a VR or a PC at the sales offices as well as viral broadcasted via social media.

- For a developer that launches 5 sets of main houses in a project, and each main house has 3 design styles, 15 sets of video clips with a maximum length of 3 minutes each per video totalling 45 minutes overall will be provided.

HARDWARE & SPACE REQUIREMENTS FOR A VR SHOWHOUSE

Space 3m x 3m

Equipment: 1 x PC, 1x 50' TV, 1x VR Set

In a VR showhouse, a PC functions as a VR display server, a VR headset serves to provide users with visual experience, handles functions as location shifters and a TV set is used as a large screen projector.

i-NEIGHBOUR COMMUNITY PLATFORM

i-NEIGHBOUR SMART COMMUNITY SYSTEM

i-ACCOUNT CLOUD ACCOUNTING

i-COMM WIRELESS VIDEO CALL INTERCOM

QR MASTER FOR VISITOR ACCESS

FACE MASTER FOR RESIDENT ACCESS

i-PATROL GUARD PATROLLING SYSTEM

TIMETEC TA ATTENDANCE **& TIMETEC LEAVE** MANAGEMENT

i-ENVIRON FOR SMART ENVIRONMENT

OVERVIEW

i-NEIGHBOUR
SMART COMMUNITY SYSTEM DIAGRAM

i-TimeTec
Smart Home Security
www.i-timetec.com

RESIDENTS

Individual Units

TimeTec Autogates

Face Master

TimeTec Alarm

Highrise

Epicamera

Facilities
After Booking
(authorize access)

TimeTec Lift

Smart Reader

Smart Lock

i-AD
Cloud
Advertisement
Solution
www.iadhub.com

MANAGEMENT

• i-Account
• e-Billing
• e-Polling
• Reports
• Events
• Announcement

TimeTec TA
Cloud Time &
Attendance Solution
www.timetecta.com

CLOUD SERVER
IoT Integrated

MERCHANTS

Use **i-Merchants** to list products and services, receive booking, order & delivery via QR code

Smart Panel/ i-Comm
i-Neighbour Guard module to handle visitor management & intercom residents

Siren Kit
When resident presses Panic Button, or individual TimeTec Alarm triggered, it will trigger the Siren Kit here to alert guards

i-Neighbour App Visitor Module
• Pre-Register Visit & Receive QR Code
• QR Master for access

With Boom Gate &
TimeTec Barrier
(registered resident cars)

Smart Card Reader
(i-Neighbour guard module to scan visitor's IC)

VISITORS

GUARD HOUSE

i-Patrol
Cloud Guard Tour Solution
www.timetecpatrol.com

i-Environ
Intelligent
Environmental Sensing
www.i-environ.com

This platform consists of 8 main systems that tackle different needs of a community for 5 main objectives:

TO ENHANCE **SECURITY**	TO EASE **MANAGEMENT**	TO ACHIEVE **AUTOMATION**	TO IMPROVE **COMMUNICATION**	TO LOWER **ENVIRONMENTAL RISKS**

i-NEIGHBOUR
SMART COMMUNITY PLATFORM

i-NEIGHBOUR SMART COMMUNITY SYSTEM

Comprehensive residential and visitor management system that is fully integrated with IoT (Internet of Things) smart security devices for a smarter and safer neighbourhood

i-Neighbour provides the most comprehensive visitor management system for contractors	Built-in short stay e.g. Airbnb feature at community level for service apartment	One-owner with multiple-units fast switchable function	Integrated with other cloud solutions such as i-Account, i-Patrol, TimeTec TA for Time & Attendance, TimeTec Leave Management, i-Environ and etc.

MANAGEMENT

- Create multipurpose **e-forms** for the community
- **Approve/reject** the submitted e-forms
- Upload various important **documents**
- Publish announcements to residents
- Manage **facility bookings**
- Create questionnaires and get the **poll** results
- Create and manage **events**
- **Blacklist** or whitelist visitors
- Receive and follow up **complaints** from residents
- General all kinds of **statistical reports** and more

RESIDENT

- Check and pay maintenance fee and sinking fund
- **Invite and approve visitors** and make a personal remark on visitations
- Receive **visitor profile** and visitation information with visitor photo and car plate image in real time
- Use App to contact **nearby merchants** or O2O App service or check-out merchant offers
- Book facility of the community easily from the App
- Apply for renovation and other applications through **e-form**
- Check on **announcements** and common **documents** uploaded by management
- Add family members and favourite contacts
- Press the **Panic Button** of the App to call for help during emergencies.
- Check on all activities carried out by the system plus visitation **history records**
- Lodge **complaints and send feedback** to management
- Use the App on your smartphone to **access doors, barrier gates and lifts**.
- Hook up smart alarm at home to the guardhouse's siren to get immediate help when alarm is triggered
- Connect cctv to live view designated common areas

SECURITY GUARD

- **Check-in and check-out pre registered** or walk-in visitors.
- Get **driver's license** visitors and scan it (the system has a built-in OCR to convert image to text)
- Receive **panic button alert** from residents on the tablet or on a signal boost to LED panel and siren, be ready to help

MAIN FEATURES

MY ACCOUNT

- Resident QR Code
- Multiple Unit Management
- Tenant Management
- My Calendar
- Favourite Contacts
- Visitors
- My Visit

SMART DEVICE

- Smart Door Access
- Facility Access
- Live View/ Stream

MANAGEMENT

- Feedback/ Inquiry
- E-Forms
- Events
- E-Polling
- Discussion

i-MERCHANTS

- Useful App
- Merchants Nearby
- Favourite

BILLING INFO

- E-Billing
- Account Statements

E-INFO

- Announcements
- E-Documents
- Contacts

EMERGENCY

- Panic Button
- Emergency Contacts
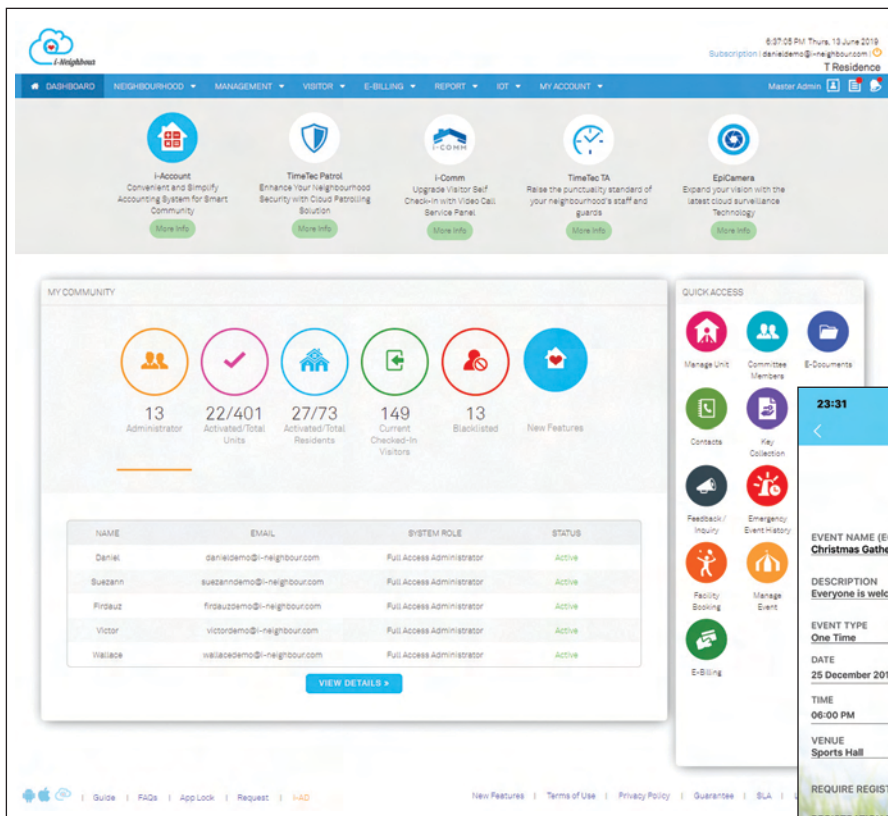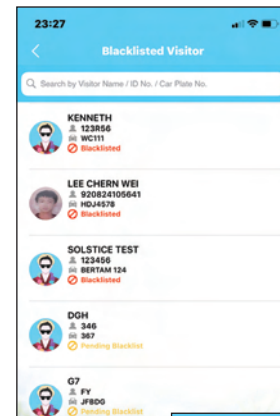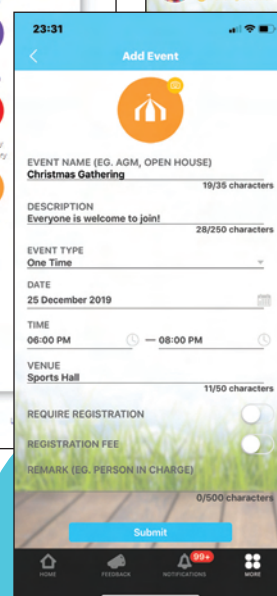- History
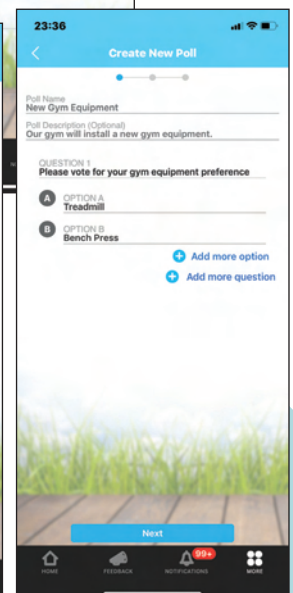
NEIGHBOURHOOD

- Profile
- Committees
- Security

Admin dashboard

Blacklisted visitor

Event Management

E-Polling

• Announcement
•i-Merchants
• Invitation

• Panic Button
• Report incident
• Smart Access

Scenario I:

Main Entrance Barrier Control for Resident and Visitor Access

Outside the guardhouse

VEHICLE LANE WITH BARRIER GATES

The gates can be accessed using the following 3 methods:

1. Long range UHF reader
2. TimeTec License Plate Recognition
3. Access via smartphone for system that has been bundled with TimeTec BLE-2

For visitors, the barrier gates opening can be triggered by a guard when he presses the check-in button on i-Vizit tablet; or it can be triggered remotely with i-Neighbour App when by the resident via i-Comm tablet.

If a credential is permitted to be used, the best method for visitor access should be the QR code scanned on a QF Master App.

PEDESTRIAN LANE WITH TURNSTILES FOR BETTER CONTROL OF VISITOR ACCESS.

The turnstiles can be accessed through 2 methods:

1. Scanning of RFID card
2. Scanning of QR code or face via QF Master App that has been bundled with TimeTec BLE-2

For visitors, the best access control method should be the QR code scanned on a QF Master App.

Note

All access transactions, either by residents or visitors will be stored on cloud and the reports of the activities can be generated at anytime. i-Vizit, i-Comm, QF Master App on Android Phone, can be integrated with barrier access, lobby access and lift control, and the management can blacklist unruly visitors from accessing a neighbourhood.

Epicamera
pg43

QF Master
(QR code +
Face Recognition)
pg43

BLE-2 *pg42*

UHF Long Range
Controller
pg40

Option

BLE-2

pg42

Option

pg41
TimeTec LPR

UHF Long Range
Controller (access card)
pg40

Visitor Lane

Resident Lane

3 check-in methods

1 Guard Facilitated Check-in using i-Vizit tablet

2 Semi Automated Check-in using i-Vizit

3 Self Check-in using i-Comm tablet

HOW it works

1 GUARD FACILITATED CHECK-IN

Guard accesses i-Vizit tablet to process visitation information, and facilitate the reading of visitor's driver's license via TimeTec OCR that has been pre installed on the tablet.

The image of the vehicle that has been captured by IP camera installed near the barrier gate and the image of the visitor extracted from the ID will be sent to the resident for verification.

The guard then will call the resident using the same tablet to verify

2 SEMI AUTOMATED CHECK-IN

Visitor uses own smartphone to scan a QR code placed at the guardhouse to login into the visitor registration page and fill up the required information.

Once the information is submitted, the guard and the resident will receive the information. The resident can press on the accept button to let the guard process the check-in process or the guard can call the resident to confirm about the visitor. The guard then will scan the driver's license from the visitor on i-Vizit and the image of the vehicle will be sent to the resident as record.

3 SELF CHECK-IN

Visitor uses i-Comm tablet to video intercom resident for permission to check in. If visitor ID is required, i-Comm that has been pre-installed with OCR will allow the visitor to check-in with his ID. If the resident grants access to the premises, he can tap on the Check-in button on his App and the barrier gate will automatically open is the system has been fully automated. The image of the vehicle that has been captured by IP camera installed near the barrier gate and the image of the visitor extracted from the ID will be sent to the resident for verification.

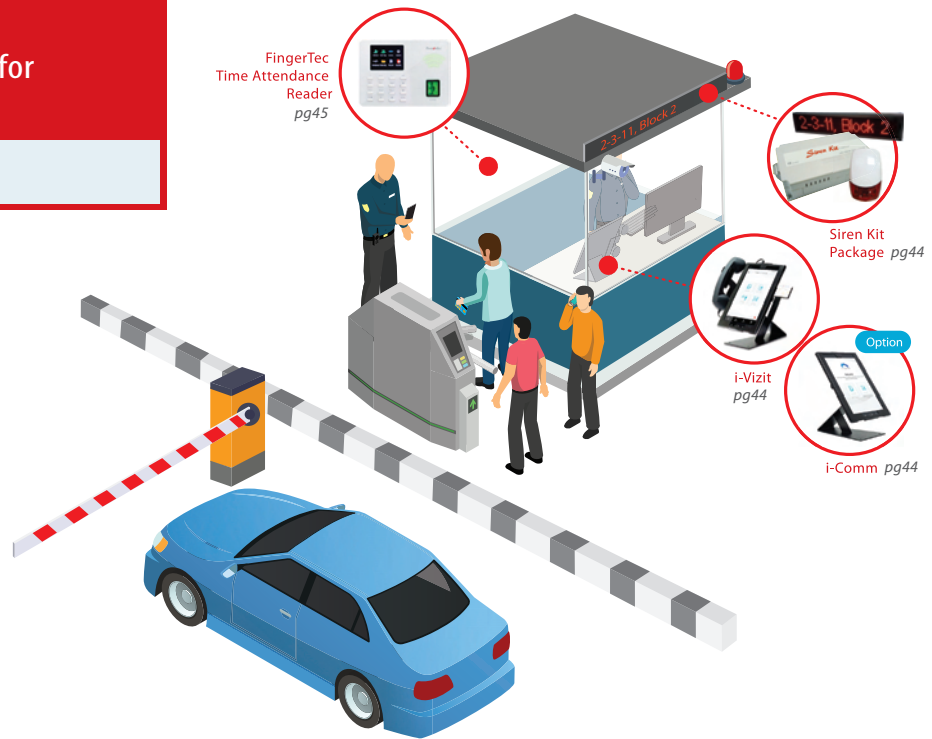**Note** *Visitors can be either pre registered or walk-in. The pre registered visitor has a slight edge because all information has been pre filled into the system and QR code for access has been provided prior to the visit, hence would spend lesser time at the guardhouse. The QR code for access can also be used on access points inside a neighbourhood like lobby door or lift that is installed with QF Master.*

Scenario II:
Main Entrance Barrier Control for Resident and Visitor Access

Inside the guardhouse

- i-Vizit or i-Comm Tablet App
- Guard Tablet Package with a stand, a receiver and an OCR
- Siren Kit Package with LED Panel and siren
- Turnstile for residents and walk-in visitors
- FingerTec Time Attendance Reader or Attendance Clocking Device

FingerTec Time Attendance Reader *pg45*

Siren Kit Package *pg44*

i-Vizit *pg44*

Option

i-Comm *pg44*

Scenario III:
Lobby Entrance Control For Resident & Visitor Access

Epicamera *pg43*

Option

BLE-2 Package *pg42*

FingerTec Reader *pg45*

Key Fob *pg45*

QF Master (QR code + Face Recognition) *pg43*

RESIDENT ACCESS METHODS

1 **BLE-2 with smartphone -** The BLE-2 detects the paired smartphones/key fobs

The smartphone or key fob sends command to BLE-2 to open door

OR

2 **QF Master App** - Scan QR Code or face via QF Master App on Android that has been mounted on a wall.

The QF Master sends command to BLE-2 to open door

VISITOR ACCESS METHODS

1 **QF Master** - Pre registered visitor receives a QR code from i-Neighbour App.
- Scan the QR Code via QF Master App on Android that has been mounted on a wall.
- The QF Master sends command to BLE-2 to open door and the EpiCamera captures image during visitor check-in

OR

2 **i-Comm video intercom** - Visitor approached lobby door
- Search unit and name from i-Comm mounted on a wall
- Press the Call button
- Visitor needs to communicate with resident to ask for access permission
- Resident can view visitors but not the other way around for security purposes
- If access permission is granted, the resident can open door by pressing "check-in" button
- The door will open and the EpiCamera captures image during visitor check-in

Scenario IV:
Facility Room Entrance

For facilities booked online, door entrance to the facilities can be managed through installation of TimeTec BLE-2 that allows door to be accessed only during designated times.

Epicamera *pg43*

Option

BLE-2 package with QF Master
pg43

Smart Lock TL40B
pg46

Key Fob *pg45*

HOW it works

1. Resident books a facility via i-Neighbour App

2. Resident uses i-Neighbour App or key fob to open the facility door during the designated time

3. If an IP camera is installed, the image of the resident will be taken and sent to cloud right when the door is opened.

Note *A neighbourhood can preset the facility booking feature to be auto approve or management approve.*

Scenario V:
Lift for High Rise Property

QF Master (QR code + Face Recognition) *pg43*

BLE-16 *pg46*

Key Fob *pg45*

RESIDENT ACCESS METHODS

1. **BLE-16 with Smart Phone** - The BLE-16 detects the paired smartphones

   The smartphone or key fob sends command to BLE-16 and the BLE-16 assigns permission to access to a designated floor

OR

2. **QF Master App** - Scan QR Code or face via QF Master App on Android that has been mounted on a wall.

   QF Master App - The QF Master sends command to BLE-16 and the BLE-16 assigns permission to access to a designated floor

VISITOR ACCESS METHODS

1. **QF Master** - Pre registered visitor receives a QR code from i-Neighbour App while walk-in visitor receives QR code during registration at the guardhouse.
   - Scan the QR Code via QF Master App on Android that has been mounted on a wall.
   - The QF Master sends command to BLE-16 and the BLE-16 assigns permission to access to a designated floor

i-NEIGHBOUR
SMART COMMUNITY PLATFORM

i-ACCOUNT CLOUD ACCOUNTING SYSTEM

Seamlessly integrated with i-Neighbour to provide batch invoices, automated tracking, payment reminders, update of individual unit's billing and payment gateways with issuance of official receipt for online payments in real time

Managing a community account is as simple as ABC when you are equipped with the right tool.

i-Account, a full set accounting software is specially designed for residential community to solve their accounting problems. The system updates automatically when maintenance fees are paid via i-Neighbour or through a *virtual account with UOB, which means no more hassle about tracing the source of unnotified maintenance fees entering your account.

i-Account cloud-based accounting software can seamlessly be integrated with i-Neighbour Smart Community System, allowing you to access your accounting system remotely at anytime from anywhere and from any connected devices.

With i-Neighbour, now you can generate statements, invoices, receipts, bills and reports within minutes.

Everytime i-Account generates monthly bills, the bills will be auto uploaded to i-Neighbour Smart Community System. Likewise, when unit owners make payments through i-Neighbour App or web portal, the information will be auto uploaded to i-Account complete with official receipt in real time.

The simplicity of managing community accounts through i-Account is every community's dream.
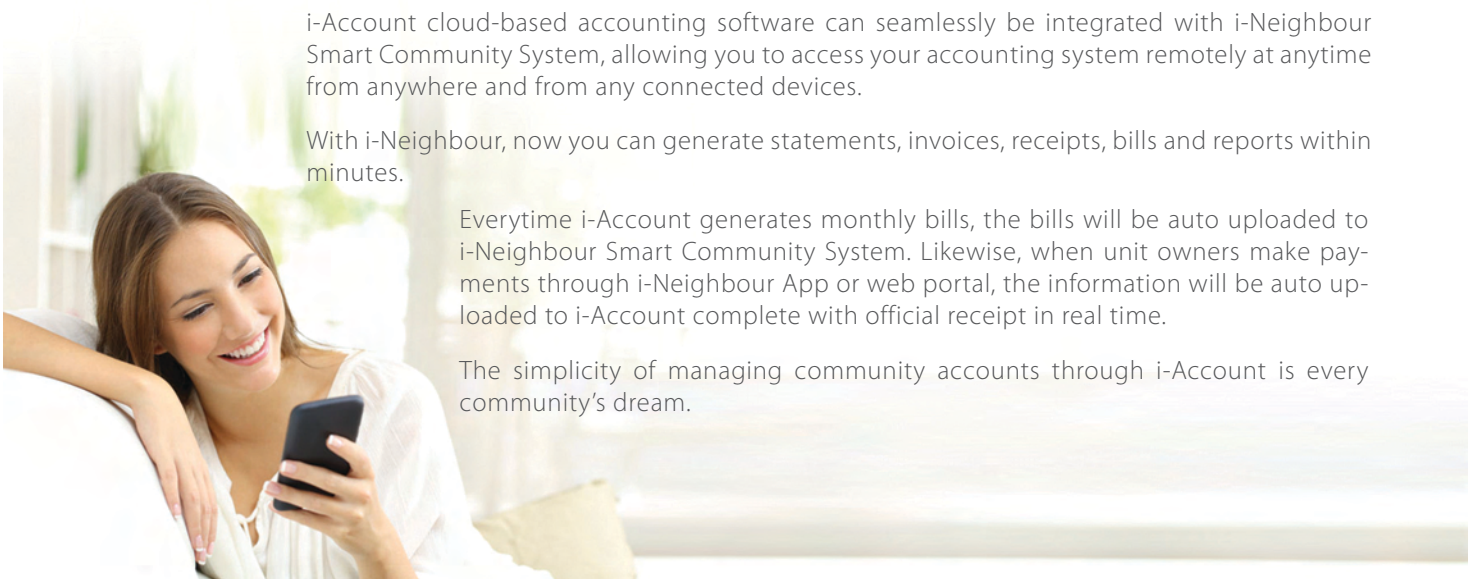
ACCOUNT CLERK

- Create customer monthly bills to be uploaded automatically to i-Neighbour or to be printed out.
- Create customer statements to be uploaded to i-Neighbour or to be printed out.
- Generate late payment interest invoices
- Create customer payment for walk-in payment
- Print customer receipts
- Create supplier invoices
- Create supplier payments
- Upload electricity meter readings for all units
- Upload water meter readings for all units
- Generate Notice of Demand for defaulters
- Add fixed assets

ACCOUNTANT

- Configure chart of accounts
- Configure monthly charges
- Manage units
- Do bank reconciliation
- Generate and review Trial Balance reports
- Generate and review Balance Sheet reports
- Generate and review Profit & Loss reports with comparison to budget or the previous year's results

RESIDENT

- Check their monthly bills via website or mobile app
- Pay their monthly bills via website or mobile app
- View their monthly statements via website or mobile app

i-Account: Notice of Demand

i-Account: Reports and Analysis

Make Payment

i-NEIGHBOUR
SMART COMMUNITY PLATFORM

i-COMM

i-COMM WIRELESS
VIDEO INTERCOM SYSTEM
Enhance Visitor Management with Video Call and Visitor Self-Service Panel

i-Comm is a cloud-based video call intercom system added to i-Neighbour Smart Community System as a useful option at the reception. i-Comm eliminates the high cost conventional intercom system and it performs effectively via a tablet installed and mounted at a lobby's entrance. i-Comm can also be placed at a guard-house to serve as a self check-in device for visitors

VISITORS	RESIDENT
• Search the unit and type the resident's name	• Talk to the visitor (The resident can see the visitor's face at the phone, but visitor can't due to privacy)
• Press call button to call the resident whom he wants to visit	
• Ask permission from resident to check in	• Accept or decline visitation
• Generate QR code on the spot if further control has been set at the other access points	• Open lobby door remotely by pressing the check in button

HOW IT WORKS

BLE-2

VISITOR

Video call

STEP 2

Open door

VISITOR

BLE-2

RESIDENT

STEP 1

STEP 3
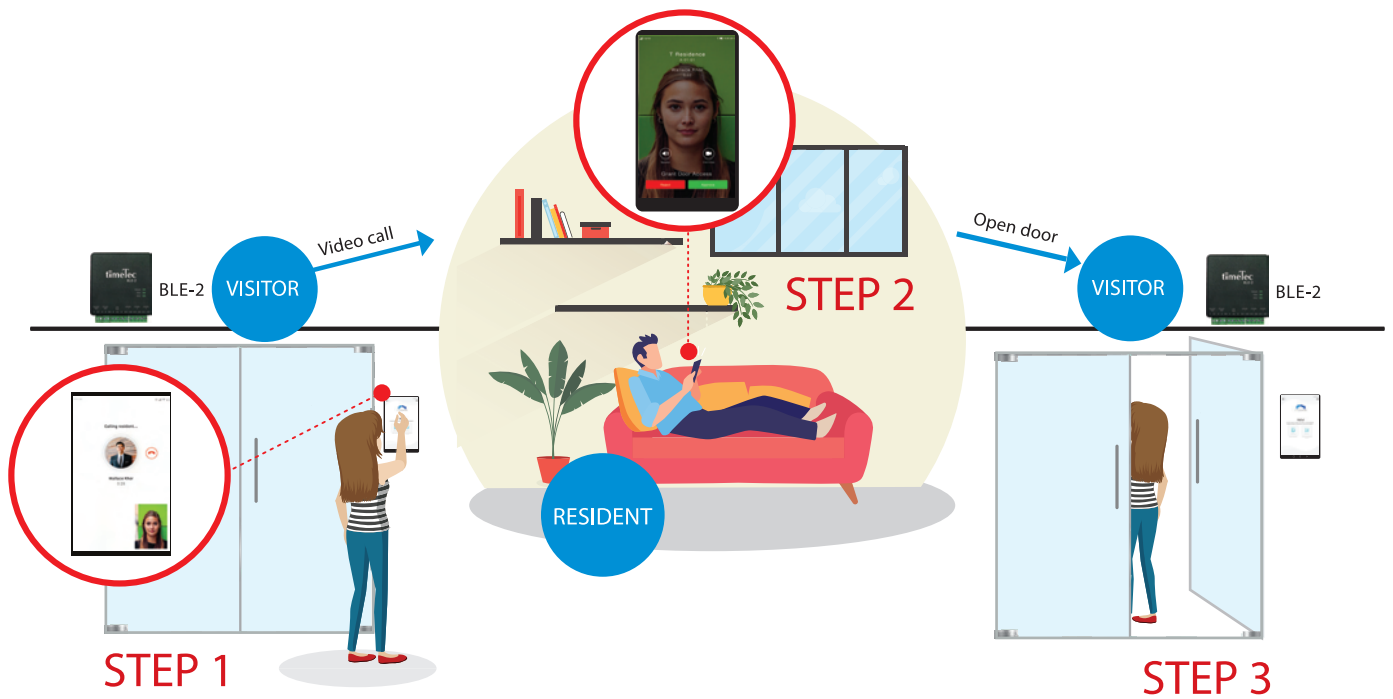
Self check-in at the main page

Welcome
Click on "CHECK IN" to proceed with registration

Register
Walk-in registration

Scan QR
Invitation, pre-registered & open door

Walk In Registration

Family/Friend   Contractor   Drop Off/Pickup

Open House/Party   Others

Visitor Name

ID/Driving License No.

No. Of Visitors

1

Next
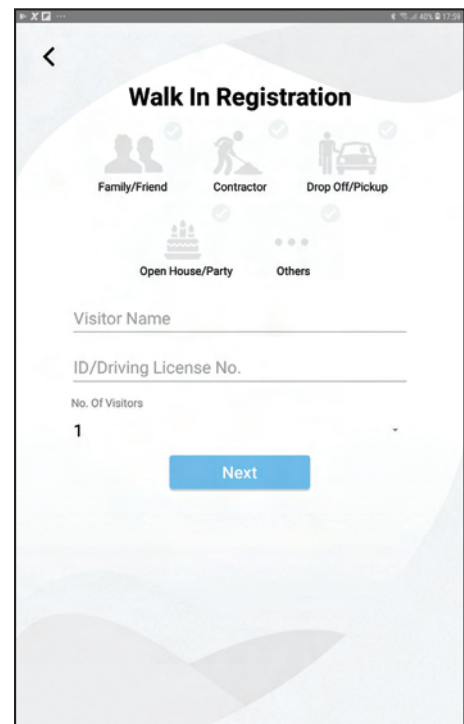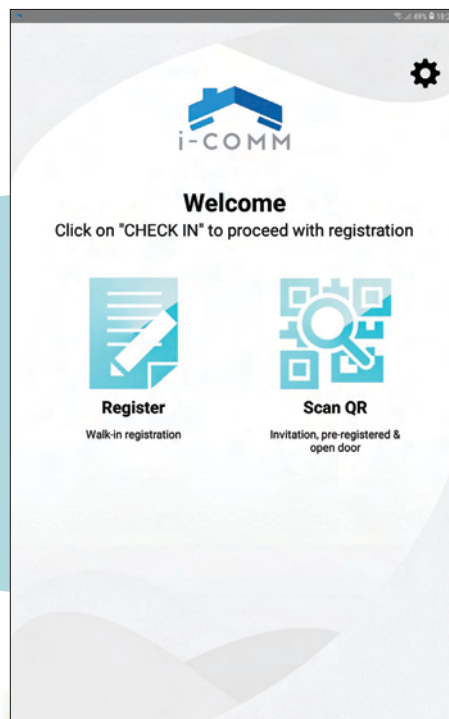
Walk-in self-registration page

i-NEIGHBOUR
SMART COMMUNITY PLATFORM

QF Master App

QR MASTER FOR VISITOR & RESIDENT ACCESS

A simple wall mounted Android phone installed with QF Master App integrated with i-Neighbour to verify QR codes of visitors and residents for better access control

TimeTec QR Master is an authentic QR code access control tool that has been integrated with i-Neighbour for neighbourhoods that want to tighten up its visitor management system's security. Every time a visitor pre registers or walks in, QR code will be issued to access permitted entrances and areas as well as elevator access to designated floor.

The QR Master also is a great tool to control **resident** access points using QR code as credential in i-Neighbour App.

AUTHENTIC ACCESS CONTROL
TimeTec QR Master, an App that turns your Android smartphone into an Authentic QR Code scanner, providing a better and more secure system to manage visitor access control.

PAIRS WITH TIMETEC BLE-2
TimeTec QR Master App is designed to pair with TimeTec BLE-2, a controller that controls door access activities via Bluetooth Low Energy after receiving instructions from the App.

ANTI PASSBACK FEATURE
Anti passback is a security feature to ascertain that there should be no exit permitted for a user if he/she doesn't have an entry record, or no entry is given if the sequence of doors is not followed.

DEFAULT REAL TIME FEATURES
TimeTec QR Master provides default real time features e.g. instant notification, instant control and interactive action that is crucial in modern day access control system.

WIFI OR 4G ENVIRONMENT
TimeTec QR Master works on either Wifi or 4G environment for wireless installation and easy maintenance.

Visitors having these QR Codes on their smartphones can use the codes to scan at the QR Master Apps installed at access points such as lobby access, elevator and etc. The codes are usually embedded with restricted time zones and access points.
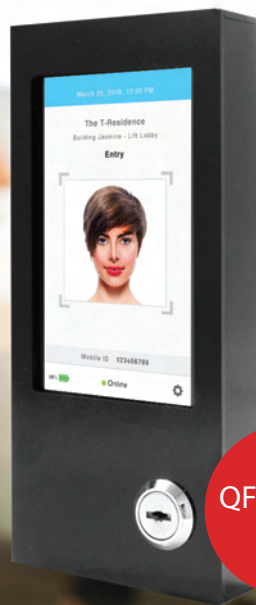
QF Master App

FACE MASTER FOR RESIDENT ACCESS

A simple wall mounted Android phone installed with QF Master App integrated with i-Neighbour to perform face recognition of visitors and residents for better access control

TimeTec QF Master is a combination of a QR Master that reads QR code and a Face Master that verifies facial features. With QF Master, a user has an option to activate one or both features at once, and the ability to verify face is an added security feature for i-Neighbour Smart Community system for biometrics technology like face recognition has been proven to tighten security as it requires unique traits of an individual to match with the template before it can verify authenticity. All residents have to register their face templates in i-Neighbour to be able to use the Face Master feature for access to doors, lifts, turnstiles and etc.

The Face Master in TimeTec QF master can cater up to **10,000 face templates with one to many (1:N) verification** and store up to 1 million transaction data at a time.
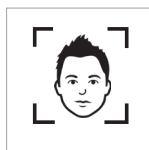
CONTACTLESS IDENTIFICATION
A user needs to stand facing the Face Master for verification without having to touch anything. This is useful for residents who are carrying items and not having a free hand to operate any devices for access.
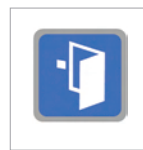
SUPERSIZED CAPACITY
Face Master can store up to 10,000 face templates and up to 1 million transaction logs at a time, suitable for a wide range of residential.

AUTHENTIC ACCESS CONTROL
Face Master turns Android smartphone to a face recognition device, a better and economical choice for access control management

ANTI PASSBACK FEATURE
Anti passback is a security feature to ascertain that there should be no exit permitted for a user if he/she doesn't have an entry record, or no entry is given if the sequence of doors is not followed.

PAIR WITH TIMETEC BLE-2
Face Master is designed to pair with TimeTec BLE-2, a controller that controls door access activities via Bluetooth Low Energy after receiving instructions from the App.

WIFI OR 4G ENVIRONMENT
Face Master is working on either WIFI or 4G environment, which is required minimum or no wiring for installation and easy to maintain.

i-NEIGHBOUR
SMART COMMUNITY PLATFORM

i-PATROL GUARD PATROLLING SYSTEM

Real time i-Patrol makes real difference in keeping the patrol guard service's quality

i-Patrol Guard Patrolling System is a cloud-based security solution that provides real time effective communication between the administrators, the guard supervisors, the security guards and the management.

Recent data shows that around 80% of gated neighbourhoods are displeased with the quality of the guard service hired because there is lack of real KPI (Key Performance Index) or proof of job done in real time for them to compare and pinpoint the problems. With i-Patrol, a neighbourhood can set a KPI to determine the guards' quality, and the system will highlight and notify when a guard can't reach the expected standard, so the guard company can make necessary action to deliver better services to the neighbourhood they service.

The integration of i-Patrol with i-Neighbour and i-TimeTec Smart Alarm is also providing extra security measure for the residents because the App has been linked to the guardhouse. Therefore, when an emergency happens and a resident presses the Panic Button on the App, the guardhouse gets alarmed immediately to prompt an instant response.

SECURITY GUARD	SUPERVISOR	ADMIN
• View scheduled routes • Scan NFC checkpoints along routes • Report found incidents • Send SOS alert during emergency complete with visual proof • Receive ad-hoc job order during patrol from supervisor • Get notified for crucial information • Receive panic button alert from residents for instant response	• View and manage scheduled routes • Receive real time notification alert when guards are no show or arriving late at checkpoint. • Assign ad hoc job order to guards if necessary • Respond to incident reports by guards • Respond to SOS alert • Monitor guards whereabouts in real time	• Set route schedules and sequences • Set KPI for guard performance • Generate statistical reports • Receive instant email alert on guards' tardiness or no show during patrol duty

Scenario VI:
Community Enclave Patrol Routes

Epicamera

NFC Tag

pg47

TimeTec RD68

pg47

NFC Tag

Epicamera

pg43

Epicamera
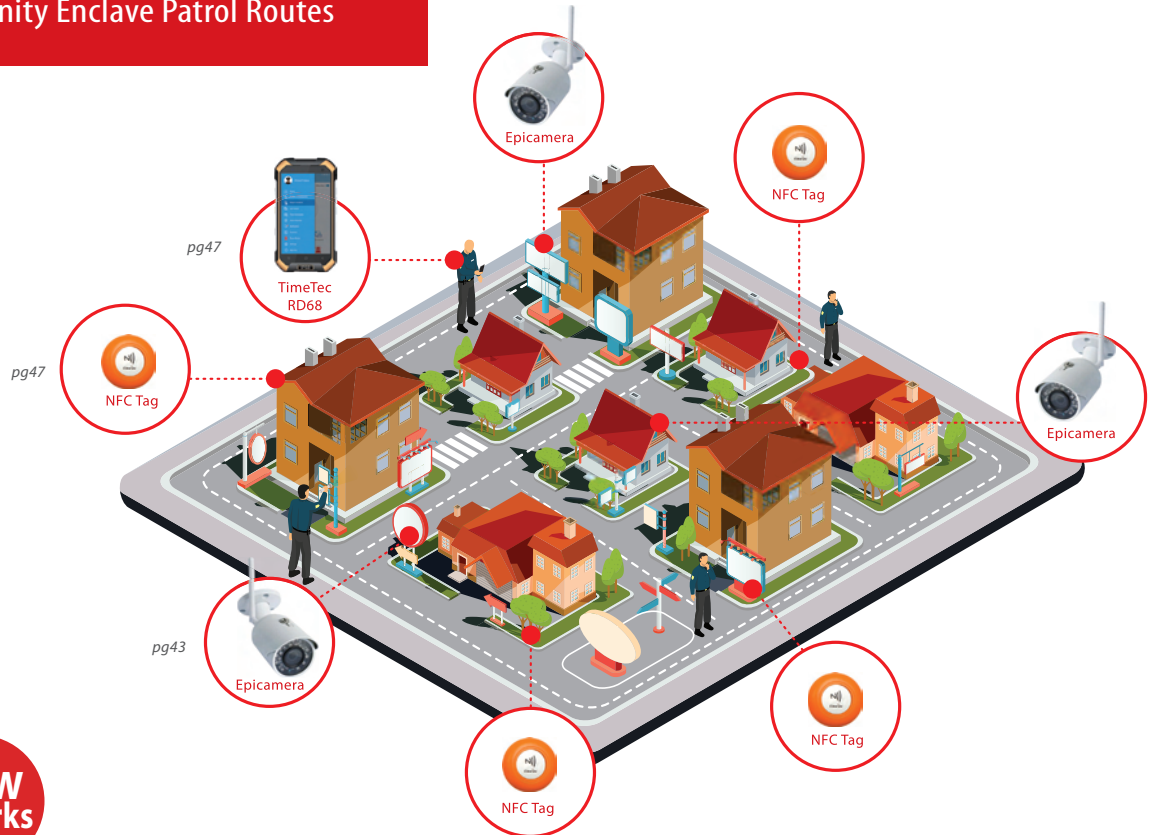
NFC Tag

NFC Tag

HOW it works

For i-Patrol, Near Frequency Communication (NFC) tags and Bluetooth Low Energy device such as Beacon have to be installed around an enclave accordingly

Guards use i-Patrol App installed in a rugged smartphone as a patrolling tool

Guards need to tap the App on the NFC tags or find the installed beacon checkpoints to confirm the time and location during patrol round

With i-Patrol, guards can report incidents, send relevant visual proofs, provide updates in real time and request for an SOS to the supervisor

Epicamera is recommended to be installed at strategic areas
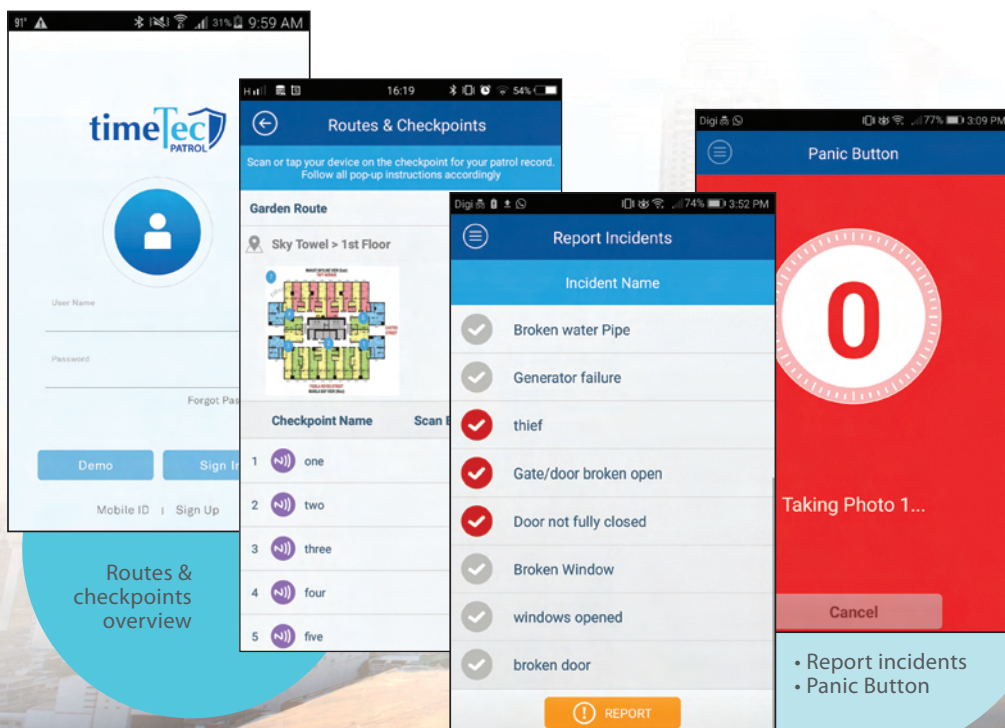
Routes & checkpoints overview

• Report incidents
• Panic Button

i-NEIGHBOUR
SMART COMMUNITY
PLATFORM

TIMETEC TA ATTENDANCE
& TIMETEC LEAVE MANAGEMENT

Cloud-based workforce solutions on attendance and leave management to cater to dynamic workforce and eliminate time stealing

ADMIN & MANAGEMENT

- Manage the working schedules for community employees e.g. guards, cleaners, gardeners, technicians, and management office staffs
- Monitor staffs' attendance and tardiness in real time
- Set leave policy for all the community employees
- Manage leave application and approval through web portal or App provided
- Get overview of employees' attendance and leave whenever required

EMPLOYEES

- Clock attendance using GPS/Wi-Fi/NFC Beacon through TimeTec TA App
- FingerTec biometrics fingerprint/face terminals is an option as clocking device
- Apply leave straight from the smartphone through TimeTec Leave App
- Check on own leave balance and view own leave calendar
- Receive instant notification when application is approved or rejected

VIA FINGERPRINT TERMINAL

Install FingerTec biometrics terminal at the guardhouse or at the management office. All employees clock at the terminal(s) and attendance data will be updated into TimeTec TA instantly.

CLOCKING METHODS
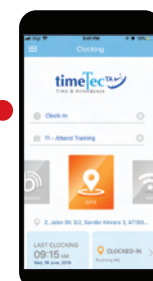
VIA APP ON SMARTPHONE

There are 5 ways to clock in attendance via TimeTec App on a smartphone i.e. GPS, Wi-Fi, Beacon, NFC and Supervisor clocking on behalf of the employees.

DATA CENTRALIZATION

Time & Attendance Records

Time & Attendance Records

COMMUNITY A

COMMUNITY B

Admin Workers

Gardeners

Cleaners

Guard

Electricians

Guard

Guard

Admin Workers

Gardeners

Cleaners

Guard

Electricians

Guard

Guard
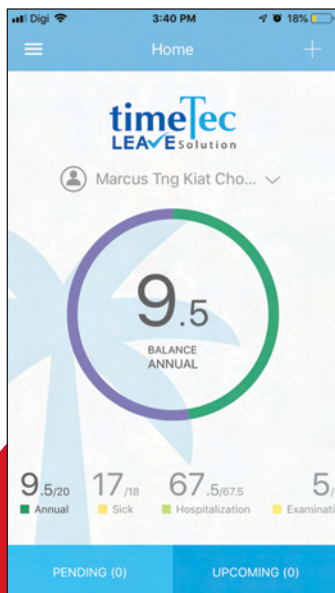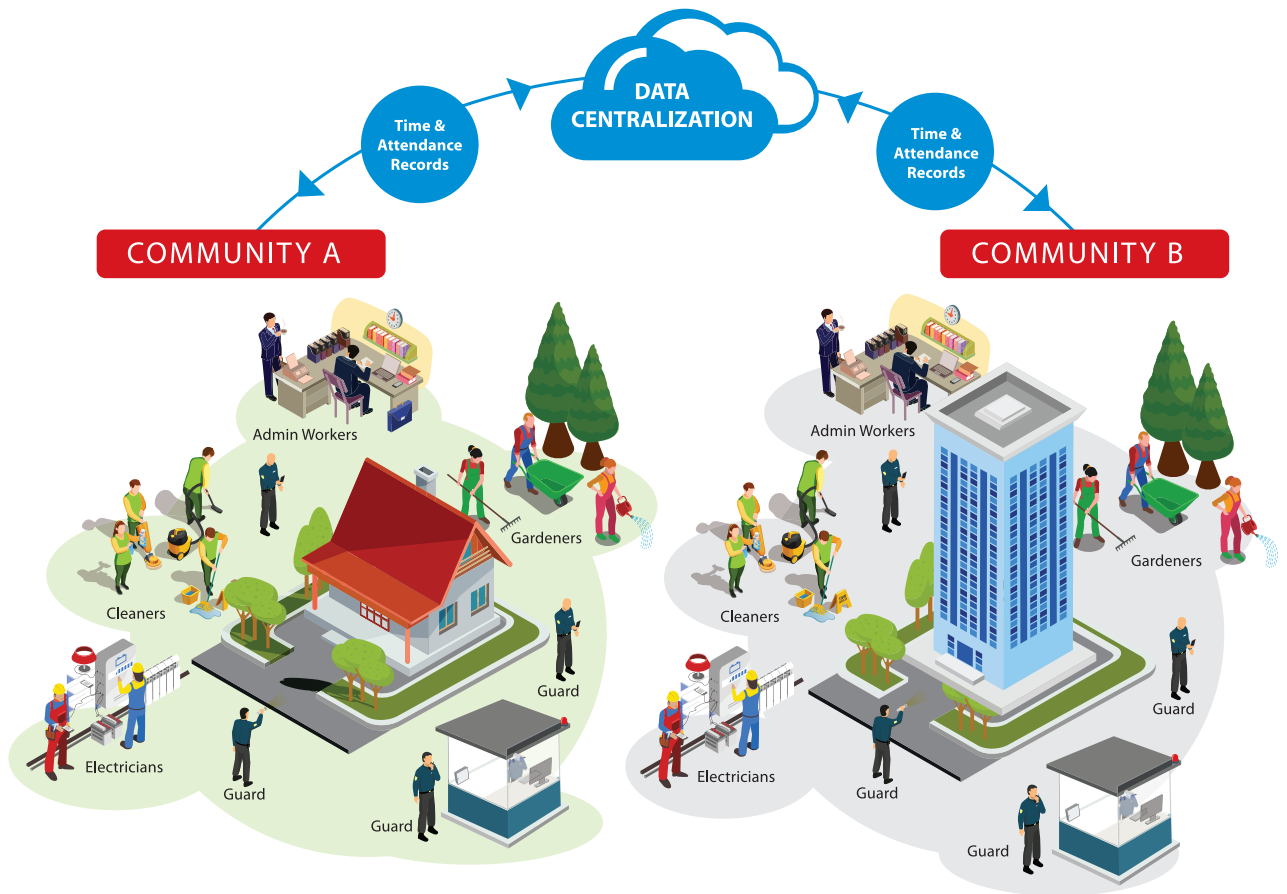
Leave overview & Leave approval

Admin: Scheduling

Mobile clocking

i-NEIGHBOUR
SMART COMMUNITY PLATFORM

i-ENVIRON FOR SMART ENVIRONMENT SYSTEM

Install Air Quality Station to monitor air quality of an area and to provide accurate air quality data in real time to residents

Clean air is fundamental for human lives.

Air pollution is one of the biggest global environmental and health challenges that requires mitigation because exposure to air pollution may cause health issues in a community. Therefore, it is extremely important for a community to monitor the air quality of a residential area for accurate updates and in this day and age, nothing beats real time data. Besides monitoring of the air quality, keeping a baseline air quality data of an area is also important to keep a community in check of any new pollutants exist in the area.

The i-Environ E120 Series Air Quality Station is an air quality monitoring product jointly developed by i-Neighbour and i-Radar to measure major air pollutants such as $PM^{2.5}$, PM^{10}, C^O, NO^2, SO^2 and O^2. This product is designed to provide maximum accuracy and affordability, easily deployable in any residential community, and it can be seamlessly integrated with i-Neighbour App.

i-Environ E120 provides real time and accurate data for environmental monitoring and it can perform continuous monitoring of a specific area under all weather conditions. The residential community and authority can now react more quickly and precisely in a situation involving air pollution than they could before by using other conventional methods.

PM$_{10}$

CO

NO$_2$

CO$_2$

O$_3$

PM$_{2.5}$

DETECT POLLUTANTS
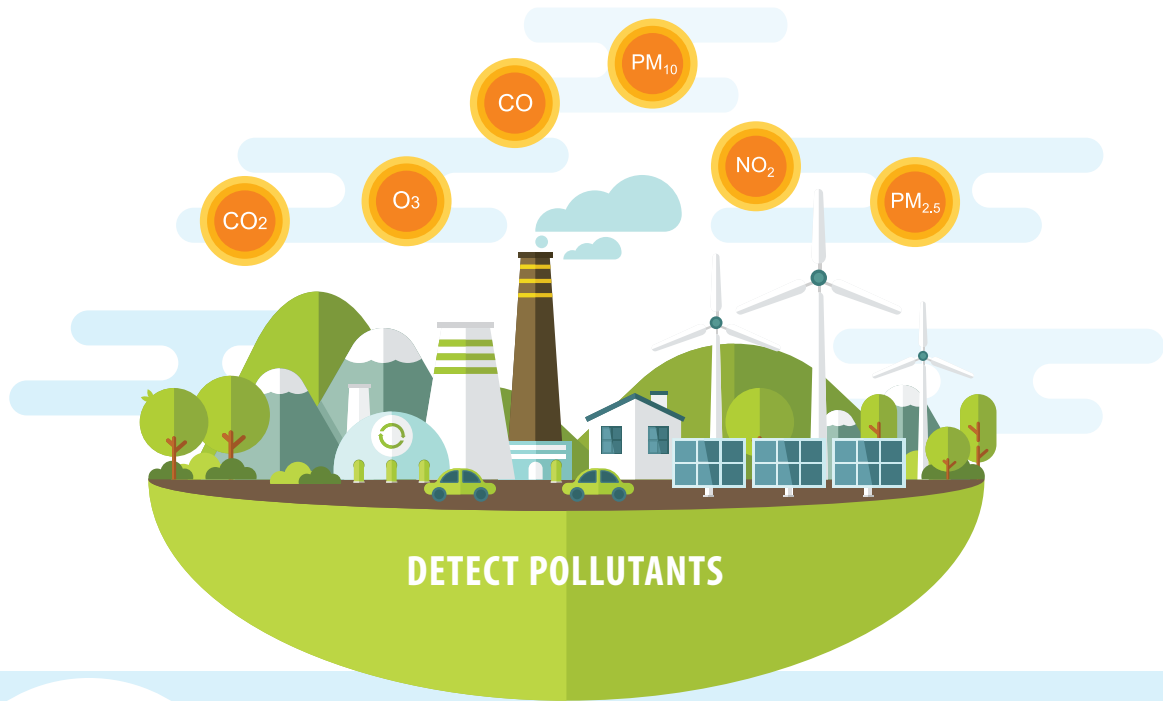
i-Environ E120

- Reading taken every 30 minutes
- Air quality statistics/report
- Send alarm notification when air quality exceeded permissible level.
- Real time air quality monitoring
- Collect baseline data and furnish authority with proven data if new pollutant(s) detected for authority to take immediate action to find the source of the pollutant and remove it swiftly

pg52

HOW IT WORKS

1. i-Environ E120 collects data every 30 minutes
2. Data from E120 will be sent to i-Neighbour in real time
3. i-Neighbour analyzes the data
4. i-Neighbour sends notification to the residents once reading exceeds the permissible level
5. The residents can lodge a report to the authority for immediate investigation

i-NEIGHBOUR SMART HOME PLATFORM

Connect i-TimeTec Smart Home devices to i-Neighbour App for Residents to achieve better convenience and safety in community living. For example, a home smart alarm system can be linked to the siren kit at the guardhouse and to the guard's i-Patrol App, for the security to respond during any emergencies.

All i-TimeTec smart homes devices are designed to be remotely controlled by i-TimeTec App.

TWO MAIN CATEGORIES

SMART SECURITY
SERIES

SMART AUTOMATION
SERIES

i-NEIGHBOUR
SMART HOME PLATFORM

SMART SECURITY SERIES

A safer home is a better home. i-TimeTec Smart Security Series focuses on security, remote control and monitoring for home owners as well as suitable for Airbnb short stay requirements

The i-TimeTec Smart Security Series are comprised of an array of IoT outdoor devices to be installed along the perimeter of a home for better security.

Scenario VII:
Smart Home Outdoor illustration

Smoke Alarm
pg50

Smart Autogate *pg48*

Camera
Monitoring Alarm
pg50

Smart Surveillance
pg43

Smart Alarm *pg50*

Smart Lock *pg46*

i-NEIGHBOUR
SMART HOME
PLATFORM

SMART AUTOMATION SERIES

i-TimeTec Smart Automation Series is a selection of wireless (or minimal wiring) devices with remote control that has been integrated with i-Neighbour to provide homeowners with convenience of automation

The i-TimeTec Smart Automation Series are a selection of IoT devices installed indoors to achieve automation such as smart lighting, smart air conditioning, smart curtain and etc. Apart from being controlled by i-TimeTec App, these devices also can be controlled by a smart scene panel mounted on a wall at home.

Scenario VIII:
Smart Home Indoor Illustration

Smart Curtain *pg48*

Water Leaking Alarm *pg51*

pg48 Smart Lighting

Smart Air-Conditioning *pg49*

Smart Scene Panel *pg49*
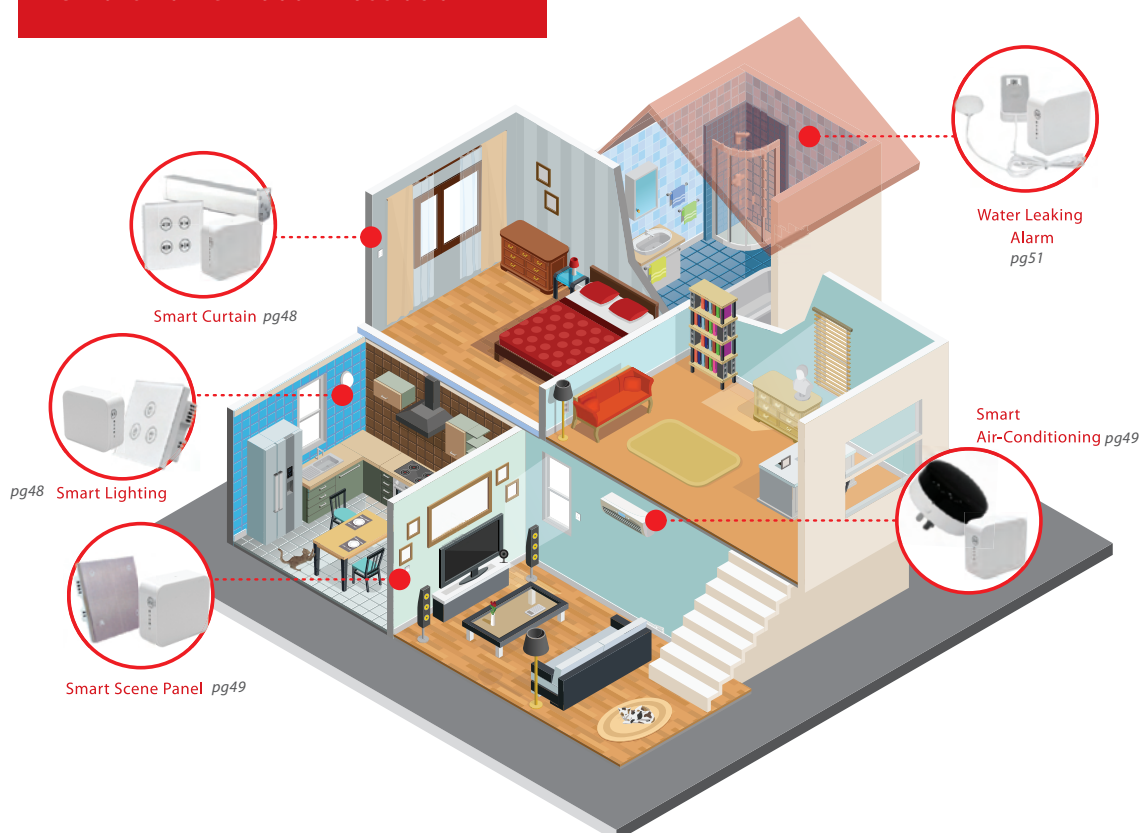
i-NEIGHBOUR HARDWARE SPECIFICATIONS

All hardware listed in the following pages are shown in Scenarios I, II, III, IV, V, VI, VII, VIII and IX of the previous pages to indicate how and where the hardware could be used and installed. More information on each hardware and its system diagrams can be found by scanning the QR code on each product listing.

LONG RANGE RFID BARRIER GATE SYSTEM

UHF 2-10F

SPECIFICATIONS

MODEL	**UHF2-10F**
DIMENSION (L X W X H), mm	445 x 70 x 445
WEIGHT (kg)	2.76
READING DISTANCE	Up to 12 meters (adjustable)
COMMUNICATION INTERFACE	Wiegand 26 (Default) , Wiegand 34, USB
FREQUENCY	902Mhz — 926Mhz, 865MHz — 868MHz
SHELL MATERIAL	Antenna Panel: ABS Engineering Plastics, Back Cover: Aluminum Shell
WORKING VOLTAGE	9~12V DC
WORKING CURRENT	150mA (Always Read)
WORKING TEMPERATURE	−20 ℃ - 60 ℃
INTERFACE PROTOCOL	EPC global UHF Class 1Gen 2/ISO 18000-6c
MULTIPLE TAGS IDENTIFICATION	< 100
WORKING MODE	Always read (Default) / Trigger read
I/O INTERFACE	Supports external trigger
MAXIMUM POWER CONSUMPTION	< 3W (RF output 26dBm, multiple tags) < 2W (RF output 26dBm, Sigle tags)

SPECIFICATIONS

MODEL	**UHF RFID Sticker**	**UHF-Card**	**UHF Heavy Duty Tag**
WORKING FREQUENCY	✕	860 - 928MHz	840 - 960MHz
READING DISTANCE	Up to 10m for UHF1-10E and UHF1-10F (Determined by the environment and reader)	Up to 10m for UHF1-10E and UHF1-10F (Determined by the environment and reader)	Up to 10m for UHF1-10E and UHF1-10F (Determined by the environment and reader)
PROTOCOL	ISO 14443A/B, ISO 15693	ISO 18000-6C	ISO 18000-6C, EPC global class 1 Gen 2
MEMORY CAPACITY	✕	800 bits	272 bits
CHIP UID	HF:(13.56MHz), MIFARE Classic® 1K , MIFARE Classic ® 4K , MIFARE®, DESFire ® EV1 (2K/4K/8K) , MIFAREPlus® (2K/4K) , MIFARE Ultralight ® , MIFARE Ultralight ® EV1, MIFARE Ultralight® C , Ntag213/ Ntag215 / Ntag216 , FM11RF08, ICODE SLI/-L/-X/-S etc.	64 bytes	G2XM
WORKING LIFE	10 years	5 years(only for chip)	20 years(only for chip)
WORKING TEMPERATURE	−25℃ - 70℃	−30℃ - 55℃	−30℃ - 60℃
STORAGE TEMPERATURE	−30℃ - 85℃	−10℃ - 40℃	0℃ - 40℃
STORAGE HUMIDITY	20% - 90% RH	40% - 50% RH	40% - 70% RH
DIMENSION	94mm x 20mm or Customizable	85mm x 54mm x 0.8mm (error ± 0.06mm)	249mm x 13.8mm x 18mm
SURFACE CRAFTS	Laser Code, Barcode, QR code printing	✕	✕
PRINTING	Screen printing, offset printing etc	Process Hot Laminating	✕
INSTALLATION	✕	✕	Fixed on the upper and lower edges of the license plate (parking Applications)

TIMETEC LPR PACKAGE

LPR CAMERA

SPECIFICATIONS

2 x LPR Camera for entry and exit

ITC215-PW4I-IRLZF27135

- 2 Megapixel Full HD AI Access LPR Camera
- 1/2.8 inch 2Megapixel Progressive scan CMOS
- WDR, Day/Night(ICR), 3DNR,BLC, HLC
- H.265& H.264 dual-stream encoding
- Powerful 2.7-13.5mm motorized lens and IR light, ideal for monitor LPR distance 3-8m
- IP67, and superior performance for outdoor applications

LED PANEL

SPECIFICATIONS

2 X LED Panel

32x16 Dot Matrix LED

• Communication	:	RS 232
• Display data	:	ASCII characters
• Display dimension	:	320 mm x 160 mm
• Display resolution	:	32 x 16 pixel
• Font size	:	70 mm x 50 mm
• Display style	:	1 line rolling or 2 lines static

COMPUTER

SPECIFICATIONS

1x Computer

• CPU	:	Core i5 Intel, minimum 3.0 GHz
• RAM	:	4GB or above
• Network	:	Ethernet 100Mbit
• Graphic adapter	:	AGP or PCI-Express, minimum 1024 x 768, 16-bit colors
• Hard disc	:	E-IDE, PATA, SATA, SCSI, SAS (7200 RPM or faster)
• Hard disc space	:	Minimum 10 GB free hard disk space available, excluding space needed for recordings
• OS	:	Microsoft® Windows® 10 Professional (64-bit), Microsoft® Windows® 8.1 Enterprise (64-bit) Microsoft® Windows® 8.1 Pro (64-bit)
• USB port	:	Min 2 (one to connect to LPR gate relay board)
• Serial ports	:	Min 2 (each connect to LED panel)
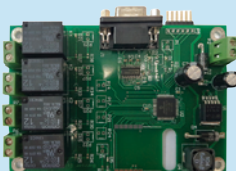
GATE RELAY BOARD

SPECIFICATIONS

1 x LPR Gate Relay Board

• Power input	:	12VDC 3A
• Output	:	2 x FORM C relay

TIMETEC BLE-2 FOR SMART DOOR/TURNSTILE/BARRIER GATE

TimeTec BLE-2

SPECIFICATIONS

MODEL	**TIMETEC BLE-2**
CHANNELS	3 FORM C Relay output, NO/NC selected via jumper, Wiegand 26-bit input
GATES	Max 2
DIMENSION (MM)	85 (L) x 96 (W) x 33 (H)
POWER INPUT	DC12V
WORKING TEMPERATURE (°C)	0-45
HUMIDITY (%)	20-80
CARD STORAGE	1,000
COMMUNICATION	Bluetooth Low Energy (BLE) 4.2, Wiegand 26-bit input
BLUETOOTH ENCRYPTION	64-bit TimeTec Proprietary
EFFECTIVE DISTANCE (M)	Max 10 m (Adjustable)
LED INDICATOR	Yes
TRANSACTION RECORDS	Unlimited, stored in cloud server
EVENT CAPACITY	Unlimited, stored in cloud server
MOBILE OS	Android 4.0.2 and above, iOS 8.0 and above
APP & CLOUD	TimeTec Security, TimeTec Access, TimeTec VMS, i-Neighbour

TIMETEC SMART TRIPOD TURNSTILE

TTS 2100B

TTS 2200B

SPECIFICATIONS

MODEL	**TTS 2100B**	**TTS 2200B**
POWER SUPPLY	AC 220V/110V, 50/60Hz	
OPERATING TEMPERATURE	-28 °C- 60 °C	
OPERATING HUMIDITY	5%-85%	
WORKING ENVIRONMENT	Indoor/Outdoor(shelter)	
RATED POWER	60W	120W
FLOW RATE	25- 48 passage/minute	
CASEWORK MATERIAL	SUS304	
PICTOGRAM INDICATION	Yes	
CONTROL SYSTEM	Input controlled by dry contact	
EMERGENCY BUTTON INPUT	Yes	
OPERATIONAL VOLTAGE	24VDC	
PASSING DIRECTION	Single/ Bi-Directional	
EMERGENCY	Automatic arm drop when power off	
COMMUNICATON	RS485, TCP/IP (Need access Controller)	
ACCESS CREDENTIAL	RFID Card & Bluetooth (Fingerprint & face recognition as optional)	
DIMENSION	111×98×18 + arm length 50	111×98×32 + arm length 50
PACKAGE DIMENSION, CM	120×108×28	120×108×44
NET WEIGHT	45KG	65KG
GROSS WEIGHT (PACKAGE)	53KG	75KG
OPTIONAL FUNCTION	Alternative material or shape, third-party access control integration, ticket system integration, passage counter Alternative material or shape, third-party access control integration, ticket system integration, passage counter	

E17S SMART SURVEILLANCE

E17S

SPECIFICATIONS

MODEL	**E17S**
IMAGE SENSOR	1/3" 3Megapixel progresive CMOS
EFFECTIVE PIXELS	2304(H) x1536(V)
RAM/ROM	256MB/16MB
IR DISTANCE	Distance up to 30m(98ft)
LENS	
Focal Length	2.8 mm (3.6 mm optional)
Max. Aperture	F2.0/F2.0
Angle of View	H:100°/77°, V:55°/42°
PTZ	
Pan/Tilt Range	Pan:0° ~360° ;Tilt:0° ~90° ;Rotation:0° ~360°
VIDEO	
Compression	H.264/H.264B/H.264H/MJPEG
Resolution	3M(2304×1296)/1080P(1920×1080)/1.3M(1280×960)/720P(1280×720)/720P(1280×720)/ VGA(640×480)/QVGA(320×240)
Frame Rate	3M(1 ~ 20fps)/2M (1 ~ 25/30fps), VGA(1 ~ 25/30fps)
Day/Night	Auto(ICR) / Color / B/W
Motion Detetion	Off / On (4 Zone, Rectangle)
Smart IR	Support
Digital Zoom	16x
NETWORK	
Ethernet	RJ-45 (10/100Base-T)
Wi-Fi	Wi-Fi(IEEE802.11b/g/n),50m(open field)
Interoperability	ONVIF, PSIA, CGI
Edge Storage	NAS(Network Attached Storage), Local PC for instant recording, Micro SD Card 128GB
Management Software	TimeTec Security
Smart Phone	iPhone, iPad, Android Phone
CERTIFICATIONS	
Certifications	CE (EN 60950:2000), UL:UL60950-1, FCC: FCC Part 15 Subpart B
ELECTRICAL	
Power Supply	DC12V
Power Consumption	<4.4W
ENVIRONMENTAL	
Operating Conditions	–10° C ~ +50° C (14° F ~ +122° F) / Less than 95% RH
Ingress Protection	IP67

FACE MASTER & QR MASTER

SPECIFICATIONS

MODEL	**ANDROID PHONE**
TYPE OF SCANNER	5 MP front facing camera
MICROPROCESSOR	Quad-core A53 structure, Clock speed as high as 2.0GHz
MEMORY	2GB
DIMENSION (L X W X H), mm	147.5 x 71.5 x 8.3
OPERATING SYSTEM	Android 4.0.2 and above
COMMUNICATIONS	
WiFi	802.11b/g/n
Network	GSM (B2/3/5/8), WCDMA (B1/2/5/8), TDD-LTE (B38/40), FDD-LTE (B1/2/3/4/5/7/8/20)
Bluetooth	Bluetooth 4.2
OPERATING ENVIRONMENT	
Temperature (°C)	0 ~ 45
Humidity (%)	20 ~ 80
Power	Non-removable Lithium battery, 3000mAh

TABLET FOR i-COMM/i-VIZIT

SAMSUNG GALAXY TAB

SPECIFICATIONS	
MODEL	**SAMSUNG GALAXY TAB 10.1**
NETWORK	
Technology	GSM / HSPA / LTE
BODY	
Dimensions	254.2 x 155.3 x 8.2 mm
Weight	2.62 kg (Tablet Panel + Panel)
DISPLAY	
Type	PLS LCD capacitive touchscreen, 16M colors
Size	10.1 inches
Resolution	1200 x 1920 pixels, 16:10 ratio
MEMORY	
Card Slot	MicroSD, up to 256 GB (dedicated slot)
Internal	32 GB, 3 GB RAM
CAMERA	
Primary	8 MP, f/1.9, autofocus, LED flash
Secondary	2 MP, f/2.2, 1080p video
SOUND	
Alert types	MP3, WAV ringtones
Loudspeaker	Yes
3.5mm jack	Yes
COMMS	
Wlan	Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
Bluetooth	4.2, A2DP, LE
GPS	Yes, with A-GPS, GLONASS, Beidou
USB	MicroUSB 2.0
BATTERY	Non-removable Li-ion 7300 mAh battery
OS	Android 6.0
SDK	Samsung Knox 2.8
SOFTWARE	i-Vizit App VMS Module

SIREN KIT

SIREN KIT

SPECIFICATIONS	
MODEL	**SIREN KIT**
ARE	
Surface finishing	Acrylonitrile Butadiene Styrene (ABS)
Dimension, mm	212 x 49 x 114
POWER SUPPLY	
Power input	AC 110 ~ 240V (Universal Input)
Backup power	UPS or 12VDC rechargeable battery
SIREN KIT I/O	
Input	4 x Digital Input
Output	12VDC 1A strobe sight, 12VDC 3A siren,5A Dry contact free relay
RASPBERRY PI	
Processor	1.2 GHz 64bit Broadcom BCM2837, 1GB RAM
CONTROLLER	
WiFi	BCM43438 - Single-Chip IEEE 802.11 b/g/n MAC/Baseband/Radio
Bluetooth	BCM43438 - Bluetooth Low Energy
USB	4x USB 2.0
GPIO	40 pin
HDMI	Full size HD output
Power input	5.1 VDC 2.5A
Supported Accessories	• Alarm Siren and Strobe Light: Amplifies alert during emergencies • HDMI Output: Provides the option to display the residents' addresses on other devices such as computer monitor instead of LED panel. • Action Buttons: Allows 3-button pack for security guard to trigger and to stop the siren kit manually, as well as acknowledge the receipt of emergency report.

TA700W & TA200 PLUS FINGERTEC MODEL

TA700W

Q2i

SPECIFICATIONS

MODEL	TA700W	Q2i
SURFACE FINISHING	Acrylonitrile Butadiene Styrene (ABS) & Polycarbonate (PC)	Acrylonitrile Butadiene Styrene (ABS)
TYPE OF SCANNER	Non coated optical scanner	Non coated optical scanner
MICROPROCESSOR	180 MHz	800 MHz
MEMORY	8 MB flash memory & 16 MB SDRAM	256 MB flash memory & 64 MB SDRAM
ALGORITHM	BioBridge VX 10.0	BioBridge VX 9.0 / 10.0
PUSH TECHNOLOGY	Yes	Yes
DIMENSION (L X W X H), mm	165 x 14 x 122	200 x 56 x 160
STORAGE		
Templates	Fingerprint 1,000	Fingerprint 10,000
Transactions	50,000	200,000
ENROLLMENT & VERIFICATION		
Methods	Fingerprint (1:1, 1:N) & password	Fingerprint (1:1, 1:N) card & password
Recommended fingerprint per user ID	2 (Max 500 User ID)	2
Fingerprint placement	Any angle	Any angle
Card reading distance, mm	✕	40 ~ 80 (RFID, HID), 30 ~ 50 (Mifare)
Verification time (sec)	< 1	< 1
FAR (%)	< 0.01	< 0.0001
FRR (%)	< 0.1	< 1
CARD TECHNOLOGY		
RFID: 64-bit, 125kHz	✕	Yes
MIFARE: MFIS50/S70, 13.56MHz	✕	Made to order
HID: HID 1325, 26-bit, 125kHz	✕	Made to order
COMMUNICATIONS		
Method	WiFi, USB	TCP/IP, RS232, RS485, USB disk (Optional WiFi & 3G)
Baud rates	✕	9600 ~ 115200
Wiegand	✕	26-bit input/output
OPERATING ENVIRONMENT		
Temperature (°C)	0 ~ 45	0 ~ 45
Humidity (%)	20 ~ 80	20 ~ 80
Power input	DC 5V 0.8A	DC 12V 3A
TIME ATTENDANCE		
Siren	✕	Built-in (Optional external)
Work codes	Yes	Yes
MULTIMEDIA		
Voice	Yes	Yes
Display	2.8" 65k color TFT screen	3.5" 65k color TFT screen
Photo ID	✕	Yes
Short Messaging	✕	Yes
ACCESS CONTROL		
EM Lock driving output	✕	DC 12V 3A / relay output
Alarm output	✕	NO/NC
Anti passback	✕	Yes

TIMETEC KEY FOB

TIMETEC KEY FOB

SPECIFICATIONS

| MODEL	TimeTec Key Fob
DIMENSION (MM)	50 x 30 x 15
POWER SOURCE	1 x CR2032 coin cell
MICROCONTROLLER	Integrated 32-bit ARM Cortex M0 CPU
MEMORY	64kb
OPERATION BUTTONS	4-channels programmable buttons
WORKING TEMPERATURE (C)	0 - 45
WORKING HUMIDITY (%)	20 - 80

TL-40B SUPERIOR SMART LOCK

KEYLOCK TL-40B

SPECIFICATIONS

MODEL	**Keylock TL-40B**
SURFACE FINISHING	Zinc alloy
TYPE OF SCANNER/ANTENA	Optical fingerprint scanner
ALGORITHM	Biobridge VX 10.0
RESOLUTION OF SCANNER (dpi)	560
PRODUCT DIMENSION (L X W X H), mm	Front panel: 72 x 30 x 310 (with handle), Back panel:72 x 34 x 310 (with handle)
Thickness of door, mm	30-38 (optional), 50-65 (optional)
Door latch type	Mortise design with single latch and two deadbolts
Inner lock switch	Yes
STORAGE	
Fingerprint templates	100
Password	100
Card	100
Bluetooth	Unlimited users for i-TimeTec App & i-Neighbour App
FINGERPRINT & VERIFICATION	
Fingerprint	1: N
Recommended fingerprint per user ID	2
Fingerprint placement	Any angles
Verification time (sec)	< 1
FAR (%)	< 0.0001
FRR (%)	< 0.1
BLUETOOTH VERIFICATION	
Communication	Bluetooth 4.0
OPERATING ENVIRONMENT	
Voice guidance	Yes
Temperature (°C)	– 20 to – 55
Humidity (%)	20 ~ 80
Power input	4 x1.5v AA battery for 6000 operations
Power consumption – static (µA)	< 35
Power consumption – activity (mA)	< 135
Power consumption – driving (mA)	< 200
Antistatic voltage (V)	> 1500
Low battery warning voltage (V)	< 4.5
BACKUP UNLOCK MECHANISM	Battery & mechanical key
MOBILE OS	Android 4.0.2 and above, iOS 8.0 and above

BLE-16 FOR SMART LIFT
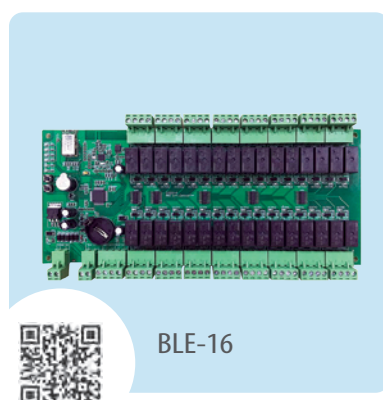
BLE-16

SPECIFICATIONS

MODEL	**BLE-16**
CHANNELS	16 FORM C Relay output, Failed Safe bypass design
FLOORS	16 (extend by expansion board)
DIMENSION (MM)	180 (L) x 231 (W) x 62 (H)
WEIGHING (KG)	1.7
POWER INPUT	9 ~ 12 VDC
WORKING TEMPERATURE (°C)	20 - 80
HUMIDITY (%)	10 - 90
COMMUNICATION	Dual BLE 4.0 & 4.2
BLUETOOTH ENCRYPTION	64-bit TmeTec Proprietary
LED INDICATOR	Yes
TRANSACTION RECORDS	Unlimited, stored in cloud server, local 1000 transaction
EVENT CAPACITY	Unlimited
MOBILE APP	Android 4.0.2 and above, iOS 8.0 and above
APP & CLOUD	i-TimeTec, TimeTec Access, TimeTec VMS, i-Neighbour

TIMETEC PATROL ANDROID RUGGED DEVICE

RD68

SPECIFICATIONS

BASIC PARAMETERS

Type	IoT Handheld Rugged Device
Cpu	MTK6737 1.5GHz Quad Core
Graphics processor	Mali760-MP2
Os	Android 6.0
Memory	2G LPDDR2 RAM+16G EMMC ROM
Color	Sunshine Yellow
Display	4.7" high-resolution multi-touch screen; Resolution: 1280*720 dpi
Input method	Handwriting, Stroke, Pinyin input method
Network	2G: GSM 850/900/1800MHz, 3G: WCDMA 850/900/1900MHz, 4G: FDD-LTE 800/900/1800MHz
Gps	Built-in GPS, supports A-GPS
Port	Micro USB2.0, supports OTG
Memory interface	Internal 16GB
Speaker	Single speaker, 8±15% ohm
Wifi	802.11a/b/g/n/ac wireless internet
Battery	4500mAh Built-in, 16 hours (full function)
Camera	8.0MP rear camera + 2.0MP front camera
Certification/ protection	3C, CE / IP68

MOBILE COMMUNICATION

NFC	Frequency 13.56MHZ
Bluetooth	Bluetooth 4.1
Infrared	Yes, supports Infrared-control on certain electrical household appliances
Push-to-talk (ptt)	Yes, with physical button

PRODUCT FEATURES

Flashlight	Yes
Sensor	Accelerometer, Light, Orientation, Proximity, Pressure, Sound
Rugged durability	Waterproof & Dustproof rate IP68, Ruggedness comply with MIL-STD-810G
Accessories	1 x charger, 1 x USB Cable
Dimension & Net weight	152 x 81 x 16 mm, 750g

SPECIFICATIONS

MODEL	NFC-x	NFC-y	NFC-z
SIZE (mm)	30 x 30	35 x 35	50 x 50
SHAPE	Round	Square	Round
COLOR	Black	Pearl White	Black/Orange
USAGE	Indoor/Outdoor	Indoor	Indoor/Outdoor
MOUNTING METHOD	Adhesive sticker/Screw	Adhesive sticker	Adhesive Sticker/Screw
SURFACE FINISH	Matte	Glossy	Glossy
DESIGN		Anti metal, weatherproof	
MATERIAL		ABS	
CHIP	NXP NTAG 213		
IC PROTOCOL	ISO 14443A		
WORKING DISTANCE	< 4 cm		
FREQUENCY	13.56 MHz		
OPERATING TEMPERATURE	–25℃ to 70℃		
STORAGE TEMPERATURE	–55℃ to 125℃		
MOQ, MINIMUM ORDER (QTY)	10 pcs		

SMART **HOME** HARDWARE

TIMETEC AUTOGATE BLE-3

TIMETEC BLE-3

SPECIFICATIONS	
MODEL	**TimeTec BLE-3**
CHANNELS	3 FORM C Relay output, NO/NC selected via jumper
GATES	Max 2
DIMENSION	85 (L) x 96 (W) x 33 (H)
WEIGHING (KG)	0.3
POWER INPUT	12 VDC
WORKING TEMPERATURE	0-45
HUMIDITY (%)	20-80
COMMUNICATION	Bluetooth Low Energy (BLE) 4.2
EFFECTIVE DISTANCE (M)	5
LED INDICATOR	Yes
USER CAPACITY	Max 20 users
TRANSACTION RECORDS	Unlimited, stored in cloud server
EVENT CAPACITY	Unlimited, stored in cloud server
MOBILE OS	Android 4.0.2 and above, iOS 8.0 and above
APP & CLOUD	i-TimeTec

SMART CURTAIN

WCM99

SPECIFICATIONS	
MODEL	**WCM99**
SIZE	220mm x 55mm x 70mm
POWER SUPPLY METHOD	Power Cable
RATED VOLTAGE	AC100 - 240V
RATED FREQUENCY	50 - 60Hz
RATED POWER	30W
RATED TORQUE	1.2N.m
OPERATION	30 - 130rpm
COLOR	White

SMART LIGHTING

DG03

SPECIFICATIONS	
MODE	**DG03**
SIZE	86mm x 86mm x 36.5mm
POWER SUPPLY METHOD	Power Cable
RATED VOLTAGE	AC180 - 250V 50Hz
RATED FREQUENCY	2.4G
COMMUNICATION COVERAGE	<100m (without barrier)
WORKING ENVIRONMENT	Temperature 10-50 degree Celsius / Humidity 5-95%
WIRELESS COMMUNICATION PROTOCOL	Zigbee
COLOR	White

AIR-CONDITIONING

SMART IR BLASTER

SPECIFICATIONS	
MODEL	**SMART IR BLASTER**
SIZE	81mm (diameter) x 72mm
WORKING FREQUENCY	2.4G
WORKING ENVIRONMENT	Temperature 10-50 ℃ / Humidity 5-95%
COMMUNICATION COVERAGE	≤ 100m (without barrier)
WORKING VOLTAGE	AC180-250V 50Hz
WIRELESS COMMUNICATION PROTOCOL	Zigbee

SMART SCENE PANEL

SMART SCENE PANEL

SPECIFICATIONS	
MODEL	**SMART SCENE PANEL**
SIZE	86mm x 86mm x 72mm
WORKING VOLTAGE	AC180-250V 50Hz
WORKING FREQUENCY	2.4G
COMMUNICATION COVERAGE	≤ 100m (without barrier)
WIRELESS COMMUNICATION PROTOCOL	Zigbee
WORKING ENVIRONMENT	Temperature -10 to 50 ℃ / Humidity ≤ 90% RH
LIGHTING CONTROL ABILITY	1/2/3/4 routes
LIGHTING CONTROL METHOD	Switch
MAXIMUM CURRENT	≤ 1500 W
RESISTIVE LOAD POWER	10A — 16A
LOADING TYPE	Fluorescent lamp ≤ 300W, Incandescent lamp ≤1500W, Low voltage halogen lamp ≤ 750W
BUTTON TYPE	Metal pressure touch button
POWER-ON SWITCH STATUS	Off
DUAL FUNCTION	Support virtually dual function

SMART ALARM

INTRUDER ALARM

CAMERA MONITORING ALARM

WATER LEAKING ALARM

SMOKE ALARM

PIR/MOTION SENSOR

SPECIFICATIONS	
MODEL	**PIR/MOTION SENSOR**
SIZE	59.8mm (diameter) x 18mm
WORKING VOLTAGE	DC3V
QUIESCENT CURRENT	≤ 10uA
WORKING CURRENT	≤ 190mA
WORKING FREQUENCY	2.4GHz
POWER SUPPLY METHOD	Battery (CR123A)
WIRELESS COMMUNICATION PROTOCOL	Zigbee
COMMUNICATION COVERAGE	≤ 15m (without barrier)
DETECTION RANGE	Radius 7m, Angle 90 degree (Room temperature 25 ℃)
INSTALLATION	Wall Mount
INSTALLATION HEIGHT	2.2m (recommended)
ALARM GAP	5 min
WORKING ENVIRONMENT	Temperature 10-50 ℃ / Humidity 5-95%

DOOR/WINDOW MAGNETIC SENSORS

SPECIFICATIONS	
MODEL	**DOOR/WINDOW MAGNETIC SENSORS**
SIZE	77 x 43.5 x 12.8mm
WORKING FREQUENCY	2.4GHz
COMMUNICATION COVERAGE	≥ 15m (without barrier)
POWER SUPPLY METHOD	Battery (CR2450)
WORKING VOLTAGE	DC3V
QUIESCENT CURRENT	≥ 1.5uA
WORKING CURRENT	≥ 32mA
WIRELESS COMMUNICATION PROTOCOL	Zigbee
INSTALLATION	Sticker, buckle, screw
SWITCHING ACTION DISTANCE	Close: < 15mm Open : > 20mm
WORKING ENVIRONMENT	Temperature 10-50 ℃ / Humidity 5-95%

SMART GATEWAY CAMERA

SPECIFICATIONS	
MODEL	**SMART GATEWAY CAMERA**
SIZE	85 x 106mm
LENS PARAMETER	100w resolution, 720p lens
INFRARED DISTANCE	< 10m
VOICE INTERCOM	Two way
STORAGE	Support Micro SD card (max 128G), support Epicamera Cloud Storage
INSTALLATION	Wall mount, side mount, ceiling mount
ROTATING ANGLE	Horizontal 0 to 340, vertically 80 upward and 10 downward
WIRELESS COMMUNICATION PROTOCOL	2.4G Zigbee
WIFI PARAMETER	IEEE802.11b, 802.11g, 802.11n (Outdoor <100m, indoor <50m, depends on situation)
SMART ALERT	Motion detect
ACCESSORIES	36

PANIC BUTTON

SPECIFICATIONS	
MODEL	**PANIC BUTTON**
SIZE	59.8mm (diameter) x 8mm
WORKING FREQUENCY	DC3V
POWER SUPPLY METHOD	Battery (CR5450)
QUIESCENT CURRENT	≤ 1.5uA
WORKING CURRENT	≤ 32mA
WIRELESS COMMUNICATION PROTOCOL	Zigbee
COMMUNICATION COVERAGE	15m (without barrier)
ALERT MODE	Send alert once every 10s, continuous send alert for three times
CANCEL ALERT	Long press for 3 seconds until indicator light off
WORKING ENVIRONMENT	Temperature 10-50 ° C / Humidity 5-95%
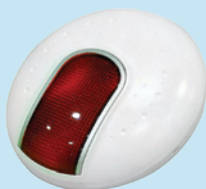
SIREN

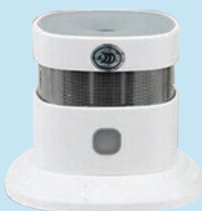| SPECIFICATIONS	
MODEL	**SIREN**
SIZE	90mm (diameter) x 65mm
ALERT METHOD	Sound and light
STROBE LIGHT FREQUENCY	about 0.5s/time
SOUND INTENSITY	Within 3m ≥ 70db
WORKING FREQUENCY	2.4Ghz
ALARM CURRENT	≥ 640mA
COMMUNICATION COVERAGE	100m (without barrier)
POWER SUPPLY METHOD	AC 180V - 250V 50 Hz
WIRELESS COMMUNICATION PROTOCOL	Zigbee
WORKING ENVIRONMENT	Temperature 10-50 ° C / Humidity 5-95%

WATER LEAK DETECTOR

SPECIFICATIONS	
MODEL	**WATER LEAK DETECTOR**
SIZE	76 x 36.6 x 16.5mm
WORKING VOLTAGE	DC3V
WIRELESS COMMUNICATION PROTOCOL	Zigbee
COMMUNICATION COVERAGE	≤ 15m (without barrier)

SMART GATEWAY

SPECIFICATIONS	
MODEL	**SMART GATEWAY**
SIZE	81mm (diameter) x 62mm
WIRELESS STANDARD	IEEE802.11b, 802.11g, 802.11n
FREQUENCY RANGE	2.4GHz- 2.4835 GHz
CHANNEL BANDWIDTH	Support 20/40Mhz
WORKING VOLTAGE	AC180-250V 50Hz
WORKING FREQUENCY	2.4G
COMMUNICATION COVERAGE	<100m (without barrier)
WORKING ENVIRONMENT	Temperature 10-50 degree Celsius / Humidity 5-95%
WIRELESS COMMUNICATION PROTOCOL	Zigbee

SMOKE DETECTOR

SPECIFICATIONS	
MODEL	**SMOKE DETECTOR**
SIZE	54 x 54 x 41.5mm
WORKING VOLTAGE	DC3V
WIRELESS COMMUNICATION PROTOCOL	Zigbee
COMMUNICATION COVERAGE	≤ 15m (without barrier)

i-ENVIRON HARDWARE

REALTIME AIR QUALITY MONITORING

E120

SPECIFICATIONS

	i-Monitor E120A (All-in-One Air Quality Station)	i-Monitor E120B (Basic Air Quality Station)
MODEL		
DESCRIPTION	Complete set of air quality station,inclusive of $PM_{2.5}$, PM_{10}, O_3,NO_2, SO_2, C_0, RH and temperature sensors	Basic set of air quality station, inclusive of $PM_{2.5}$, PM_{10}, RH and temperature sensors
WATER RESISTANT	IP65	
DIMENSION (DIAMETER)	225mm x 225mm	
PARTICULATE SENSORS		
Detection	$PM_{2.5}$, PM_{10}	
Concentration Range	0 ug/m³ to 1000 ug/m³	
Accuracy (at 25°C)	0 ug/m³ to 100 ug/m³: 15ug/m³ ; 100 ug/m³ to 1000 ug/m³: 15%	
GAS SENSORS (O_3, NO_2, SO_2, C_0)		
Measurement Range	0-20 ppm (O_3), 0-10 ppm (NO_2), 0-20 ppm (SO_2), 0-1000 ppm (C_0)	
Resolution	20 ppb (O_3), 20 ppb (NO_2), 50 ppb (SO_2), 0.1 ppm (C_0)	
Accuracy	15% of reading	
TEMPERATURE SENSOR		
Resolution	0.01 °C	
Accuracy	0.5 °C	
Measurement Range	- 20°C to 70°C	
RELATIVE HUMIDITY (RH)		
Resolution	0.01% RH	
Accuracy	2% (20% to 80% RH), 3.5%RH (0% to 20%, 80% to 100% RH)	
Hysteresis	<2.0% RH	
Long Term Drift	<0.5%RH / Year	
Measurement Range	0% to 95% RH	
OVERALL SYSTEM		
Buit-in GPS	3m accuracy, 50 CH, GPS L1 frequency, C/A code	
Data Communication	Dual Band 900/1900 MHz, full size SIM card	
Power Supply	12 V, 0.5 A	
Operating Temperature	-10°C to +40 °C	
Operating Humidity	15% - 95% RH	
Overall Dimension	225 mm (diameter) x 225 mm (height)	
Total weight	Approx. 3 kg (without mounting bracket)	
Warranty	1-year standard warranty covers all parts and technical support	

ABOUT US

timeTec
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All Roads Lead to Cloud
Cloud Solutions for Workforce Management, Security Industries & Smart Communities

19 Years experience

>150 Employees

18 Awards

150 Countries sales network

20 Patents

80 Programmers

ISO 27001

CMMi Level 3

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Biometrics Time Attendance & Access Control System

TimeTec TA
Time & Attendance Management System

TimeTec Leave
Employee Leave Management System

TimeTec Patrol
Guard Tour Management System

TimeTec Hire
Talent Recruitment System

TimeTec VMS
Visitor Management System

TimeTec Profile
Cloud Employee Profile Management System

TimeTec Access
Smart Access Control System

TimeTec Parking
Cloud Parking System

i-TimeTec
IoT Smart devices for smart home, smart community and smart office

EpiCamera
Cloud Surveillance System

i-Neighbour
Smart Residential Community

i-Account
Smart Community Accounting System

i-Merchants
Near Field Commerce platform for i-Neighbour, TimeTec VMS, TimeTec Parking

i-AD
Advertisement platform for i-Neighbour, I-Merchants, TimeTec VMS, TimeTec Parking

i-Environ
Intelligent Environment Sensing & Analytical Service

Hubot XV & XP
AI Robot for Visitor Management & Guard Patrol

MSC
MALAYSIA
Status Company