TransTel

IBS

Intelligent Building System
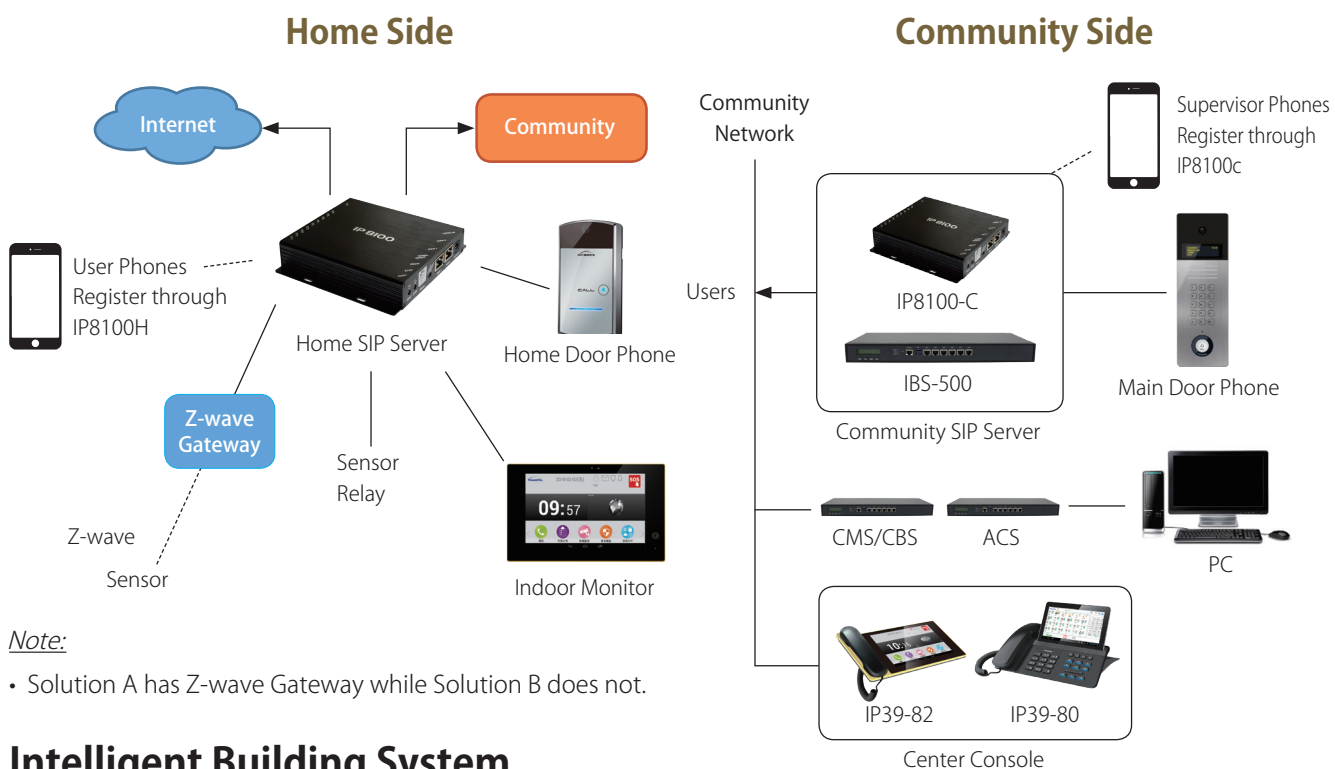
– SIP Intercom
– Access Control
– Home Security
– Center Control Server
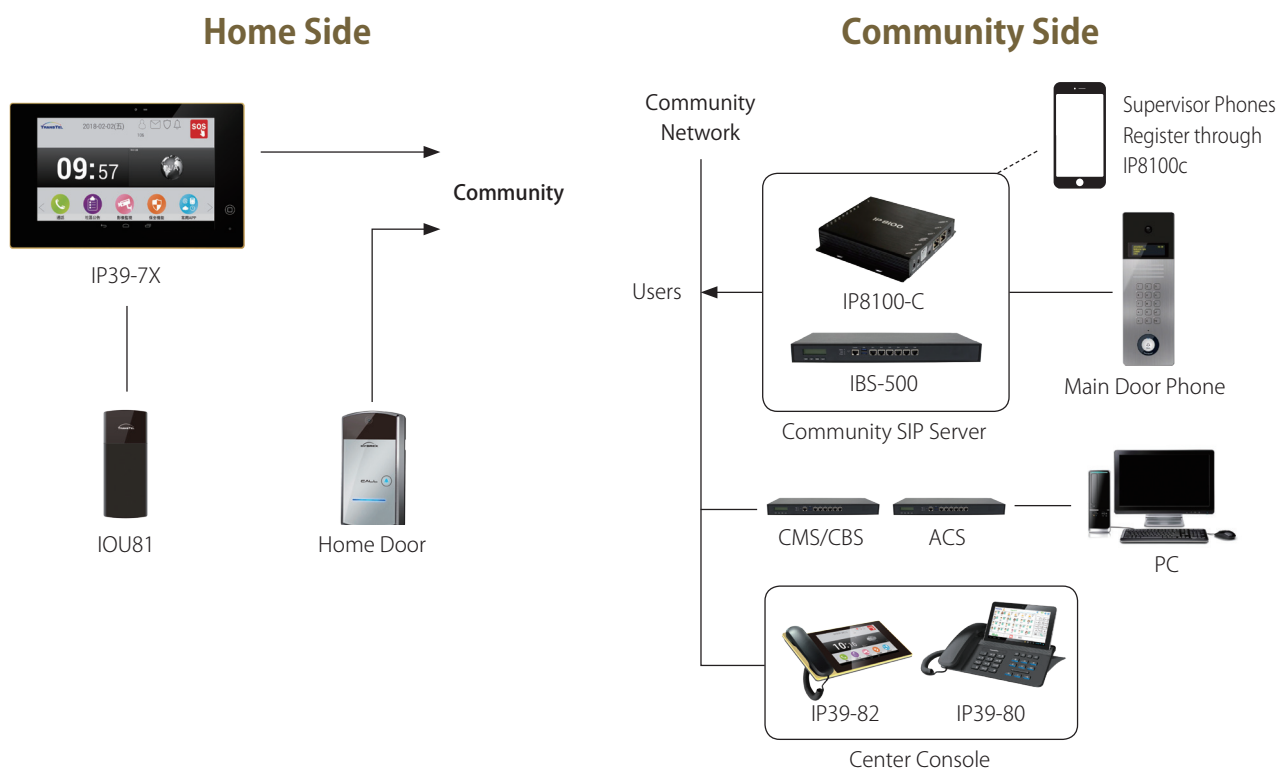– Smart Phone Messenger

· Love · Trust · Innovation
· Passion · Integrity · Self-discipline

Intelligent Building System Pro
System Block Diagram – Solution A and B

Home Side

- Internet
- Community
- User Phones Register through IP8100H
- Home SIP Server
- Home Door Phone
- Z-wave Gateway
- Z-wave
- Sensor
- Sensor Relay
- Indoor Monitor

Community Side

- Community Network
- Supervisor Phones Register through IP8100c
- Users
- IP8100-C
- IBS-500
- Community SIP Server
- Main Door Phone
- CMS/CBS
- ACS
- PC
- IP39-82
- IP39-80
- Center Console

Note:

- Solution A has Z-wave Gateway while Solution B does not.

Intelligent Building System
System Block Diagram: Solution C

Home Side

- IP39-7X
- Community
- IOU81
- Home Door

Community Side

- Community Network
- Supervisor Phones Register through IP8100c
- Users
- IP8100-C
- IBS-500
- Community SIP Server
- Main Door Phone
- CMS/CBS
- ACS
- PC
- IP39-82
- IP39-80
- Center Console

Block Description, Features and Benefits

Home Setup

▸ **Home SIP Server – IP8100-H**

- It equips with the following Telecom ports:
  - PSTN line   : 1 For Normal TIP/RING telecom line
  - SIP Trunk   : 2 Community network and owner's ITSP
  - SIP Station   :10 For Standard SIP Terminals.
- Smartphone, Home Door Phone, Indoor Monitor and standard SIP devices register on it as one of SIP station, each of them can make and receive calls
- Home owner can install more than one Indoor Monitor at home.
- Our APP could let home owner have the similar feature as Indoor Monitor after register on their mobile devices. Home owner can receive the call from Home Door phone, Main Door phone and open the door remotely.
- Built-in sensors and relays for Home Security features:
  - Sensor   : 8
  - Relays   : 4
- The Home Security function can be Enable/Disable by Indoor Monitor or Smartphone. Smartphone can receive the security alarm info.
- Link with Z-wave gateway (optional) to have the eHome functions.

▸ **Indoor Monitor**

- Two models: 7" and 10" LCD display panel.
- Android Based System and customizable.
- Links with optional Home Security sensor (IOU81) to provide Home Security feature. The Indoor monitor can provide the Home security features. All the mentioned function is done by Indoor Monitor itself.
- If setup with IP-8100H, the Home Security function would be link Smart Phone/Tablets, function includes receive/diable the Alarm info.
- The indoor monitor can enable/disable the security feature and generate the alerted by itself and send alarm message to center server.
- IDP20 is a dedicated device that attached with Indoor Monitor to provide the extended call answering and door opening function. It can be used for bed-room or kitchen area to handle the door calling instead of running to the Indoor Monitor where usually situated at entrance area. Mute function to silent the unit.

▸ **Home Door phone**

- We have different models of Home Door to meet different requirements.
- Single Call button or keypad for opening door by password entry.
- HD Camera for pre-view, video call or Voice only.
- Standard camera or night vision infra-red camera with IR LED light compensation.
- Touch or Push button.

Community Setup

▶ **Community SIP server**

> **IP8100-C** : SIP Server for small community – 197 ports (Unlimted internal concurrent video calls)
>
> **IBS-500** : SIP Server for large Community – 500 ports.

Features:

- Above servers provide the SIP Video intercom function to link all the registered SIP terminals together. Such as Main Door, Center Console, Staff Smartphone and the SIP Trunk of each P8100-H. So, they can call each other by proper assignment.
- Unlimited internal concurrent calls for IP8100-C between devices.

▶ **Center Server**

> **CBS** : Central Bulletin System

Features:

- Register and manage each home owner information.
- Manage the setting and software version of each SIP terminals remotely.
- The Community Manager can broadcast Bulletin Message to the Indoor Monitor.
- Home owner can receive the Bulletin Message through registered smartphone.
- Popup the Home security alarm windows message and maintain the log.

> **Bluebox ACS** : Access Control System

Features:

- Manage the Token of each common area access control point.
- Popup the special event message, such as: The lost-report Token is accessing the main gate.

▶ **Administrative Consoles**

> **IP39-80** : Android 7" detachable Screen phone
>
> **IP39-82** : Android 10" Touch Screen with handset

Features:

- Staff can talk with the visitor at main door phone and open the gate remotely.
- Staff can talk with the home owner with clear video stream.

▶ **Main Door phone**

> **IP39-60** : Large size (370 x 125 x 39.8 mm). Piezo keypad. Infra-red Camera.
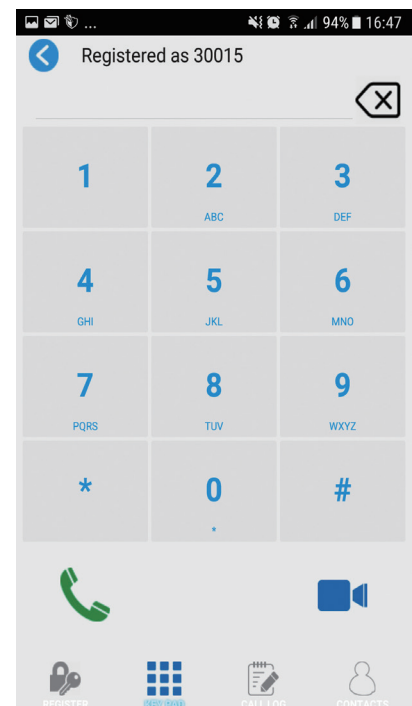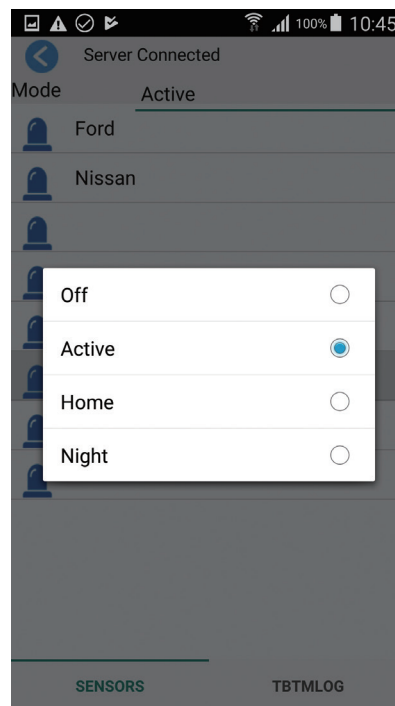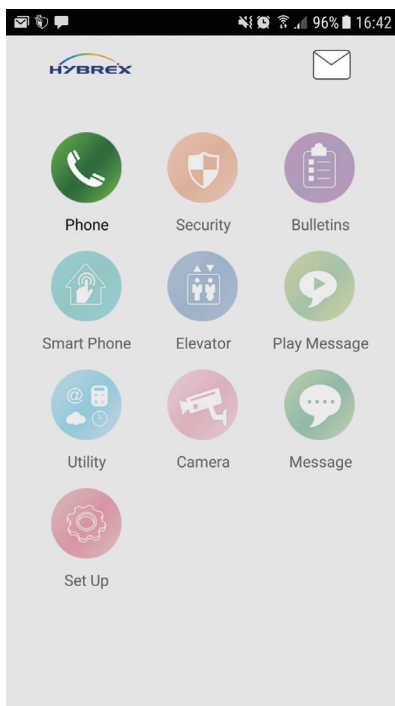> RFID reader. OLED display.

Smartphone APP

▶ **Whale Home**

Features:

- For Home Owner to remote access system.
- Receive calls from Main Door Phone, Home Door phone and open the electrical door remotely.
- Receive Bulletin messages from Community Board.
- Receive Home Security alarm message when armed sensor is triggered. (can disable)

▶ **Whale Messenger**

Features:

- This is for Community Staff with administrative functions.
- Receive the call from Main Door phone and open the main gate.
- Receive the call from Home owner or center console.
- Receive the Home Security Alarm message and go to the right location.

Solutions and main feature list:

	Solution A	Solution B	Solution C
Video Intercom	V	V	V
Access Control	V	V	V
Home Security	V	V	V
Smartphone APP	V	V	
eHome	V		

Solution and main product list:

	Solution A	Solution B	Solution C
Home Side			
IP8100-H	V	V	
Indoor Monitor	V	V	V
Home Door Phone	V	V	V
IDP20 (Optional)	V	V	V
Z-wave GW	V		
Community Side			
IP8100-C/IBS-500	V	V	V
IP38-80/82	V	V	V
IP39-60	V	V	V
APP-Smartphone			
Whale Home	V	V	
Whale Messenger	V	V	V

Product List:

▶ **Home SIP Server**

    IP8100-H   : For smart phone registration. Remote Access.

▶ **Indoor Monitor**

    IP39-70   : Android 7" LCD Home Panel
    IP39-72   : Android 10" LCD Home Panel
    IDP20   : In Door Phone
    IOU81   : IOU81 (8 sensor, 1 secure relay)

▶ **Home Door Phone**

    IP39-40eACR   : Acrylic. Infra-red camera with password keypad and RFID reader
    IP39-41eACR   : Acrylic. Infra-red camera with one CALL button and RFID reader
    IP39-50CR   : Metal. Infra-red camera with password keypad and RFID reader
    IP39-31CR-w   : Metal. Infra-red camera with one CALL button and RFID reader
    IP39-21CR-f   : Integrated Electronic Door Lock assembly

▶ **Community Door Phone**

    IP39-60   : Metal. Infra-red camera with password keypad and RFID reader

▶ **Community SIP Server**

    IP8100-C   : 197 SIP ports server
    IBS-500   : 500 SIP ports server

▶ **Center Service Server**

    CBS   : Central Bulletin System plus Auto Provision and Home security features.
    Bluebox ACS   : Dedicated Access Control System

▶ **Staff Console**

    IP39-80   : Console Phone – 7" LCD panel (Detachable)
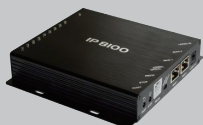   IP39-82   : Console Phone – 10" LCD with handset

▶ **APP Smart phone**

    Whale Home   : for Home owner
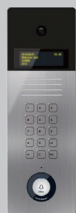   Whale Messenger : for Community staff

Products:

Home SIP Server

IP8100-H
135.4 x 144 x 28 mm

Community Door Phone

IP39-60
370 x 125 x 39.8 mm

Community SIP Server

IP8100-C
135.4 x 144 x 28 mm

IBS-500
438 x 422 x 44 mm

Center Service Server

CBS (Central Bulletin System)
438 x 422 x 44 mm

Bluebox ACS
438 x 422 x 44 mm

Staff Console

IP39-82
355 x 200 x 23 mm

IP39-80
175 x 265 x 190 mm

Indoor Monitor

IP39-70 (7")
200 x 138 x 10 mm

IP39-72 (10")
290 x 180 x 23 mm

IDP20
120 x 125 x 13 mm

Home Door Phone

IOU81
99.6 x 40 x 24.6 mm

IP39-40eACR
182 x 95 x 36 mm

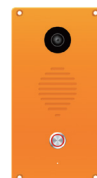**IP39-41eACR**
182 x 95 x 36 mm

IP39-50CR
193 x 98 x 30 mm

IP39-31CR
193 x 98 x 30 mm

Specialty Application Door Phone

IP39-21CR
188.5 x 367 x 84 mm

IP39-22C
200 x106 x26 mm

IP39-23C
130 x130 x290 mm

IP39-24C
193 x 98 x 30 mm
135.4 x 144 x 28 mm

IP39-25C
200 x 200 x 100 mm

IP39-26
200 x 138 x 10 mm