

# Tap Door

Simple and **Cost-effective**

**Mobile** access control system fits for SMEs

(small /medium –sized enterprises)

**✓ No need PC software!**



ICU300



DE-950/DE-960





## ■ Tap Door Package

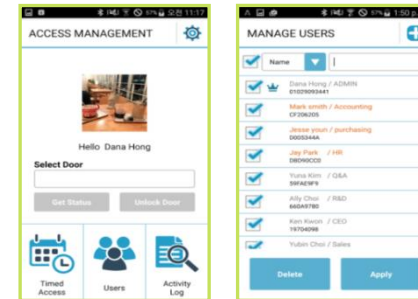


ICU300N  
(Controller)

**BT - OPTION**



DE-950 / DE-960  
(NFC reader)



Access control  
iOS / Android APP

## ■ Convenient credentials management

### ✓ Various credential types supported



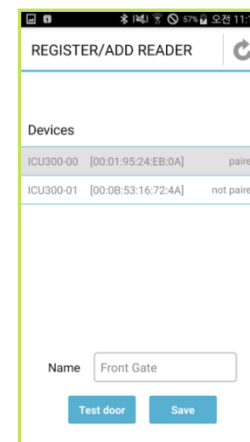
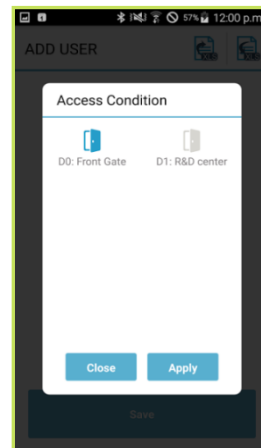
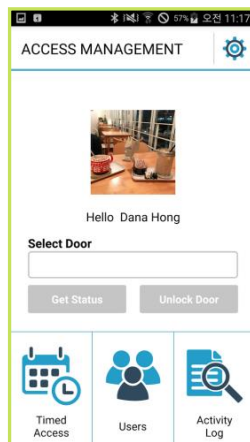
- NFC-enabled Android phone
- HF (13.56MHz) cards or NFC tags (Type A/ Type B/ FeliCa/ Mifare series)

### ✓ User registration ( Register Multiple users , or individual)

- Add credentials in bulk using excel form



Excel list loaded into APP



## ■ Cost-effective

- ✓ Facilitate the existing NFC mobile to manage Access Data.
- ✓ DUALi UID (User ID) using HCE technology allows user to use their NFC phone as a credential – (no need to issue ID cards)

## ■ Easy and Portable

- ✓ Portable database makes it available for flexible credentials management
- ✓ **Tap Door** features a user-friendly and intuitive interface for administrators

**Enjoy all the benefits of a traditional access control system with**



- Add and delete credentials
- Program doors to open and close by individual
- Access rights can be easily managed by an administrator at any time

## ■ System Configuration

- All user access method is NFC touch ( ID card/ Mobile ID )
- There are 2 types communication between **operator app** & **controller**

### HCE MODE



Send/ Receive data by put Manager's phone on **DE-950** via **HCE (NFC)**

### BLUETOOTH MODE (Option)

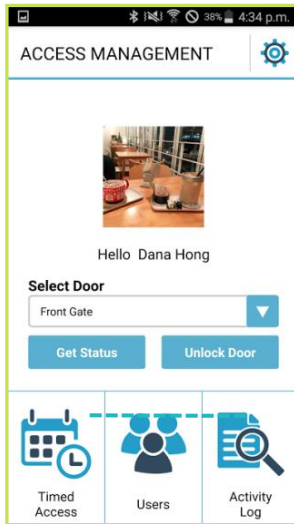


Send/ Receive data by connecting Manager's phone to **ICU300N** via **BLUETOOTH**

# HOW IT WORKS?

## ■ Key Features

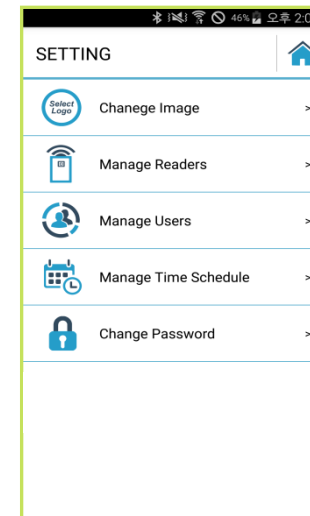
### INQUIRY MODE



Authorized operator use managing app for monitoring

- ✓ Door status check
- ✓ Time schedule check
- ✓ Check registered User
- ✓ Check Events

### SETTING MODE



Easy to update setting

- ✓ Change main logo/image
- ✓ Manage readers(door)
- ✓ Manage user
- ✓ Manage time schedule
- ✓ Change password



## DE-950

CPU	Cortex-M3(ARMv7),48MHz, 32bit RISC
MEMORY	Program memory: 128KBytes Flash Data memory: 20KBytes SRAM
RADIO FRQUENCY	13.56MHz (HF)
CONTACTLESS COMMUNICATION	ISO14443 A/B, Mifare, ISO18092(NFC), FeliCa
INTERFACE	32/34/64/66 Wiegand format RS-232/485 (Option)
READING DISTANCE	1~4cm (Depends on Card type)
DISPLAY	Status LED (Blue, Red)
DIMENSION	46mm * 105mm * 20mm
BUZZER	Magnetic Buzzer
TEMPER FUNCTION	Case open detect/ alarm function included
TEMPERATURE	-20 ~ 70°C (Operating) / -20 ~ 80°C (Storage)
INPUT POWER	DC 7.5~ 24V
CERTIFICATION	CE, FCC certified, IP65, RoHS compliant



**DE-960**

CPU	Cortes-M3(ARMv7),48MHz, 32bit RISC
MEMORY	128KBytes Flash / 20KBytes SRAM
RADIO FRQUENCY	13.56MHz (HF)
CONTACTLESS COMMUNICATION	ISO14443 A/B, Mifare, ISO18092(NFC), FeliCa
INTERFACE	32/34/64/66 Wiegand format RS-232/485(Optional)
READING DISTANCE	1~4cm (Depends on Card type)
DISPLAY	Status LED (Blue, Red)
DIMENSION	60mm * 115mm * 25mm
BUZZER	Magnetic Buzzer
TEMPER FUNCTION	Case open detect/ alarm function included
TEMPERATURE	-20 ~ 70°C (Operating) / -20 ~ 80°C (Storage)
INPUT POWER	DC 7.5~ 24V
CERTIFICATION	CE, FCC certified, IP65, RoHS compliant
KEY	Capacitive Key Touch / 12 Keys (0~9,*,#)





## ICU300N

**Bluetooth - OPTION**

CPU	Cortex 32-bit (1024KB Flash, 192KB SRAM)	
POWER(input)	DC 12V / 2A	
POWER(output)	DC 12V/1.5A, DC 5V/500mA	
HOST INTERFACE	2 port (RS-232 or RS-485 / Network)	
READER INTERFACE	3 ports (RS-485 / Wiegand / Optional RS-485 or Wiegand)	
INPUT	2 ports (Door sensor , Open SW)	
OUTPUT	(COM, NC, NO) X2	Nominal switching capacity : 2A 30VDC
		Max. switching power : 60W, 125VA
		Max. switching voltage : 220VDC, 250VAC
		Max. carrying current : 3A
WIEGAND INTERFACE	Wiegand Data Ports for Input & Output	
DIMENSION	60mm * 103mm * 11.5mm	
OPERATING TEMPERATURE	-10 ~ 60 °C	
OPTIONAL FEATURES	RTC with battery, External Serial Flash(2MB)	