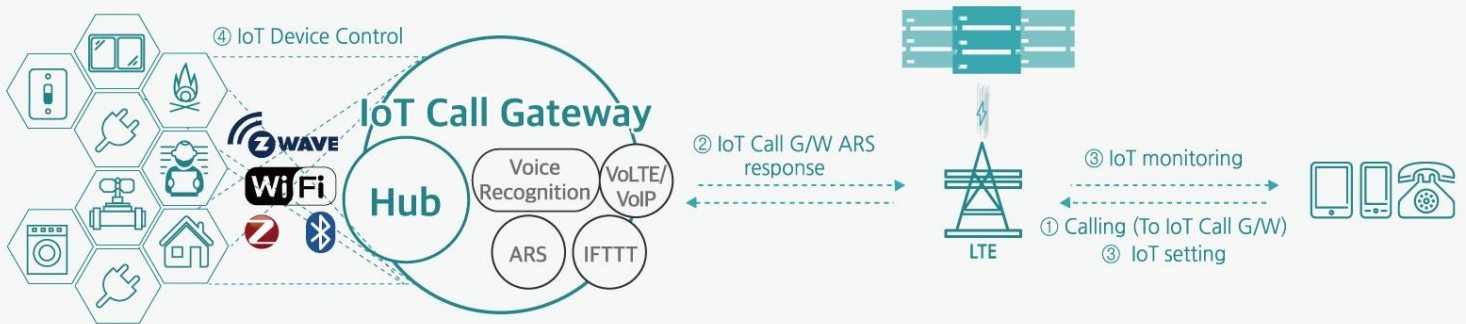# IoT CALL GATEWAY

Introducing IoT Call Gateway

Overview

- **IoT Call Gateway is an IoT service solution for easy control and monitoring** of various consumer appliances and IoT devices **through simple telephone calling.**
- **IoT Call Gateway supports IoT Connectivity through WiFi, Bluetooth/BLE, Z-Wave, ZagBee, etc** for IoT device connection.
- IoT Call Gateway provides **secured IoT service through carriers' breach-free VoLTE(VoIP) network.**

IoT Call Gateway Advantages

Enables cost-efficient, easy and secured implementation

- Provides various functions like light control(on/off), status check, fire alarm, intrusion detection through telephone network

Strong Security
- No data transmission or storage in Cloud

Support any Phones
- Smart Phone, 2G Phone, PSTN Phone, IP Phone, etc

Interoperability
- Support various IoT Connectivity
- Only registered number is allowed
- PIN CODE verification
- Speaker Recognition

Cost Saving
- Reuse idle Android Phone or AP, Save additional cost for Gateway and cloud installation

IoT Call G/W	VS	General IoT G/W
Not Need	IoT Application	Need
All Phones	Support Phone	Only Smart Phone
Home or Local Area (IoT Call G/W)	Privacy Data Location	In Cloud
Low Cost	Security	High Cost
No risk of IoT hacking		Exposed hacking

IoT CALL GATEWAY

IoT Call Gateway Features

Easy IoT Control by Phone

- Provides easy control functions of Smart Home devices by phone

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Did I turn off the light?
Did I turn off the gas?

[AWAY]

General lighting= Off
Gas Valve=Lock
Power plug=Off
Boiler=Outing

🏠 **Speed Dial 1** | Voice Control: Away

It's freezing!
I miss my warm home!

[HOME]

General lighting=On
Power plug=On
Boiler=16 degrees Celsius

Speed Dial 2 | Voice Control: Home

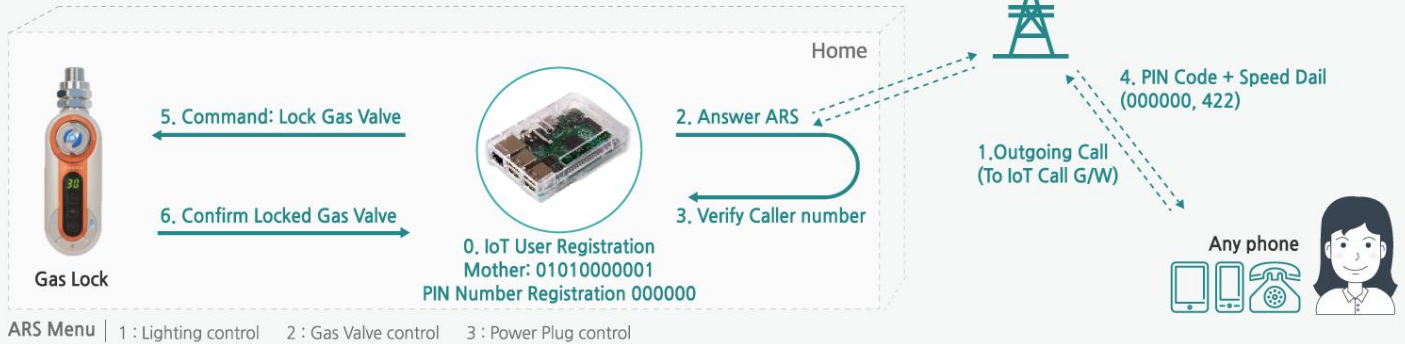
Sleepy. Time to Sleep..

[SLEEP]

General lighting=Brightness(5%)
Gas Valve =Lock
Boiler=20 degrees Celsius

Speed Dial 3 | Voice Control: Sleep

Detail IoT Device Control by Phone

- Provides **Detail control** functions of Smart Home devices by phone
- Home IoT Control by only **authenticated phone number**
- 2nd authentication by **6-digit PIN** Code
- Support **Speed Dial** control

Home

5. Command: Lock Gas Valve

6. Confirm Locked Gas Valve

Gas Lock

2. Answer ARS

3. Verify Caller number

0. IoT User Registration
Mother: 01010000001
PIN Number Registration 000000

4. PIN Code + Speed Dail
(000000, 422)

1.Outgoing Call
(To IoT Call G/W)

Any phone

ARS Menu | 1 : Lighting control   2 : Gas Valve control   3 : Power Plug control

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Event Notification by Phone

- Intrusion **alarm to the registered telephone** number
- Additional **SMS notification**

Home

Motion Sensor detected

2. Intrusion Alarm

3.Call to the father's number

4.Call Connection
Audio Intrusion
Notification

Any phone

0. IoT User Registration1.
Father : 01010000001

1.Intrusion detection