BLE-Based Smart Tag System

Team J

버터링
Butter-ring
소프트
자가비
Sable
사브레
ORIGINATED FROM
FRANCE
1975
구운감자
Pocky
CHOCOLATE
포키
(해태)사브레
1500
1,200
해태)버터링소프트
1500듀
1,200
해태)구운감자
2,900
해태)포키번들
3500듀
3,100
Calorie Balance
아이밀크
KidsTot

010 2345 6789

18:39
BMW
위로 밀어 잠금해제

Enter and send a sentence from a smartphone BLE app

The ESP32 receives the sentence

immediately displays it on the OLED tag

ESP32

OLED display

smartphone BLE app

BLE

pngtree

From one device to many — seamless updates, anywhere.

Differentiating factors

Provides a simpler and more intuitive user experience compared to traditional analog methods.

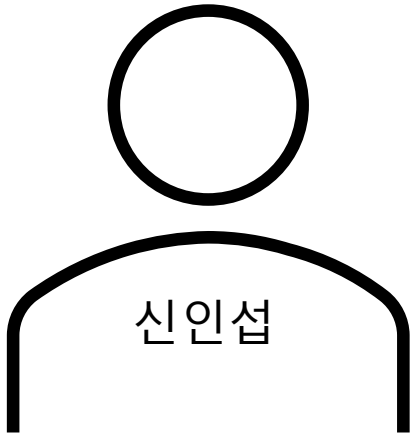
BLE enables continuous operation thanks to its low-power consumption.

Scalable to control dozens of devices simultaneously through integration with BLE Mesh or MQTT.

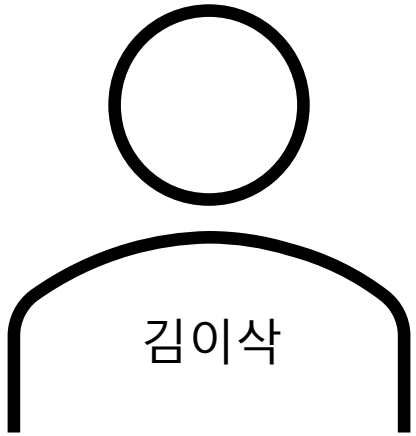
Contactless

Energy-efficient

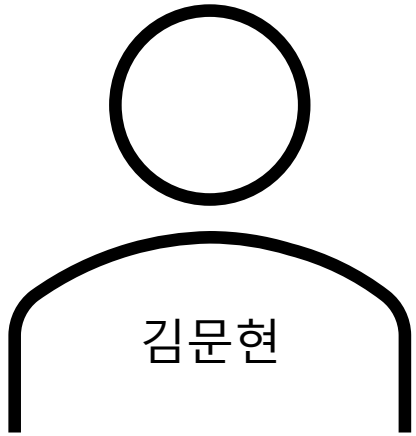
Real-time



System Implementation



PPT & Script



Presentation