

SMART TECHNOLOGY





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BY PORJAI GROUP DEVELOPMENT CO., LTD



Smart home systems and home security systems are important for several reasons, as they enhance both convenience and safety for homeowners

1. Convenience and Automation

Smart home systems allow you to control various devices in your home, such as lights, air conditioners, TVs, or sound systems, via a smartphone or voice commands. Automated systems can be set to operate based on time or specific conditions, such as turning on the lights when someone walks by or turning off the air conditioning when no one is home.

Example: You can set up the door to lock automatically when you leave or have the air conditioning turn on before you arrive home.

2. Increased Security

Home security systems often include surveillance cameras, motion sensors, and alarms. These systems notify you when unusual activity occurs, like unexpected movement or unauthorized entry through doors or windows. Alerts are sent to your smartphone or a security monitoring service.

Smart locks allow you to control access to your home, letting family members or trusted friends enter using a password or fingerprint recognition.

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3. Energy Efficiency

Smart home systems help reduce energy consumption by controlling electronic devices more efficiently. For instance, you can program the system to turn off lights and air conditioning when no one is home, which saves energy and lowers your electricity bills, benefiting the environment.

4. Remote Monitoring

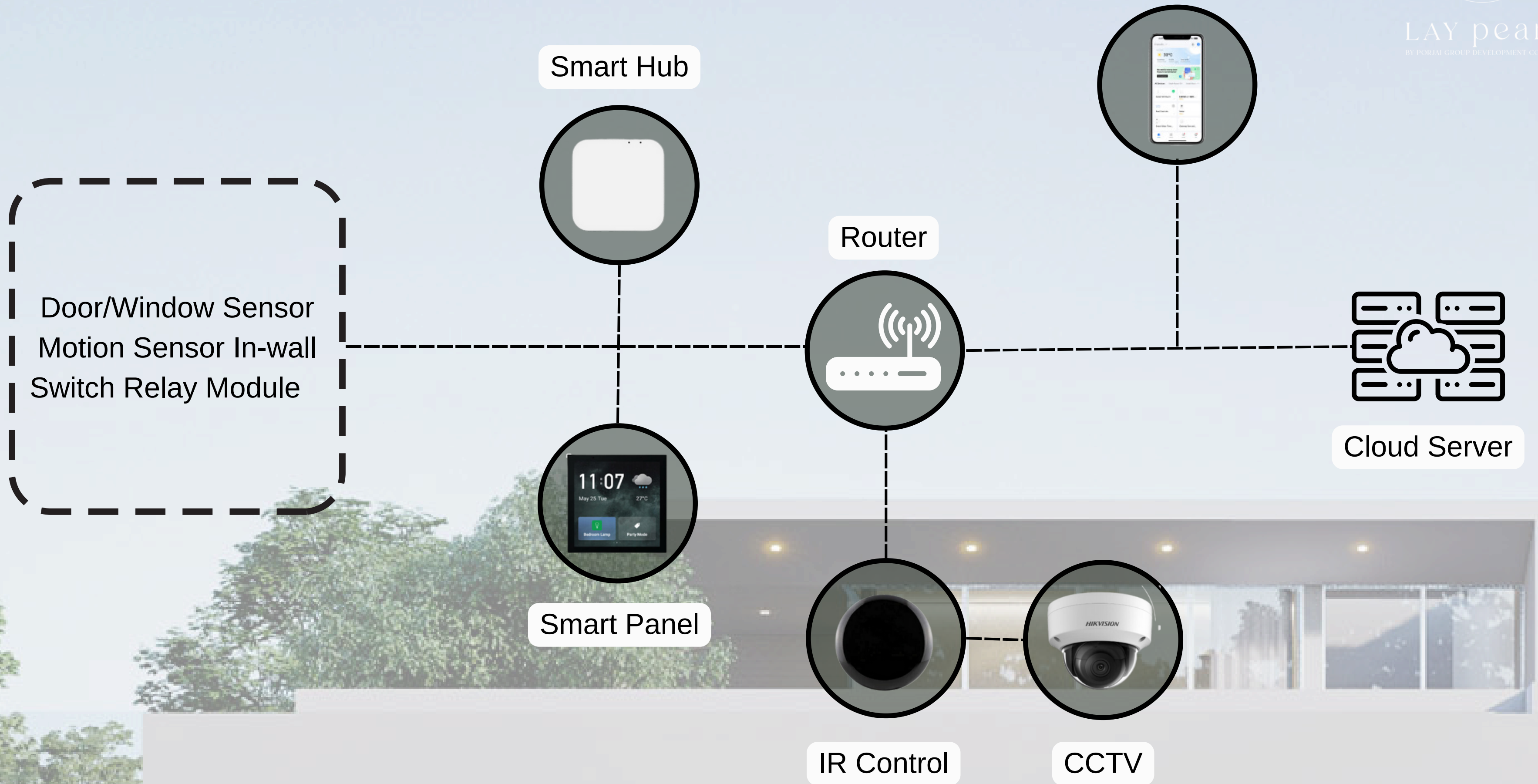
You can monitor your home through smart home and security systems from anywhere, as long as you have internet access. This includes checking security cameras, ensuring doors are locked, and controlling devices via a smartphone app.



SMART HOME APPLICATION FLOW



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CCTV



Smart Hub



Smart Panel



IR Controller





Video Intercom

- Video intercom: video communication, remote unlock.
- Vandal-resistant: If someone move the device, device will send alarm information to guard unit and software management
- Leave message: Visitor can leave a voice message with a photo
- External device: Access Controller, access Control Reader, Elevator Controller
- Web configuration: engineer can set parameters on webpage
- Support 2 locks: First lock connect to outdoor unit directly
- Elevator control: call elevator, control elevator (3rd Party Option)



Smart Panel

Features:

- Video intercom: Video communication & remote unlock
- Room to room intercom: Call resident in the same community
- Alarm zone: Build-in alarm zone functions, have 3 modes (Home, Outside, Disarmed)
- Call center: Call and send SOS message to guard station
- Leave message: View audio message leave by visitor
- Surveillance: Surveil authorized outdoor station and IPC
- Elevator integration": Call elevator and control elevator [3rd Party Option)
- Time synchronized: Device time can synchronize from center (guard station) automatically
- Blacklist: Can add some numbers to blacklist and manage
- Screen Clean function: Can use this function when cleaning the screen, the screen will be locked 60s
- Vandal-resistant: Send alarm information to local management software if someone move the device





CCTV

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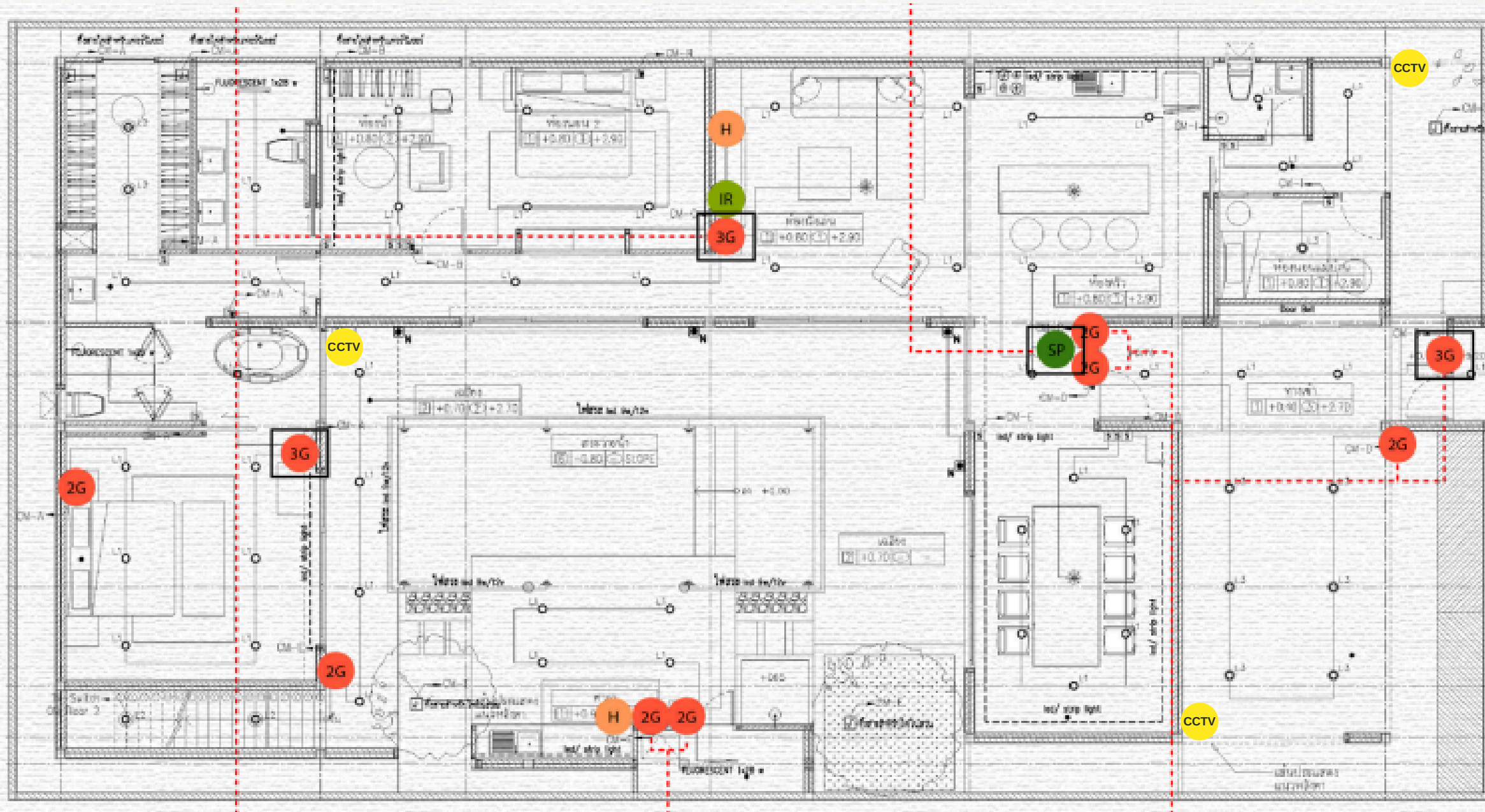




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SMART HOME & SECURITY SYSTEM DESIGN



- H** SMART HUB
 - 2G** RELAY 2 GANG
 - 3G** RELAY 3 GANG
 - IR** IR REMOTE
 - SP** SMART PANEL
 - DL** DIGITAL DOOR LOCK
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Having a smart home system integrated with security enhances convenience by allowing you to control devices like cameras and lights via smartphone. It boosts security through surveillance and alarms, providing instant notifications of unusual events like break-ins or fires. Additionally, it helps save energy by managing power usage automatically and enables remote monitoring of your home from anywhere. This combination improves both safety and daily convenience.



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