

J.O.I: Service-Oriented AIoT Platform Opens a New Era of IoT

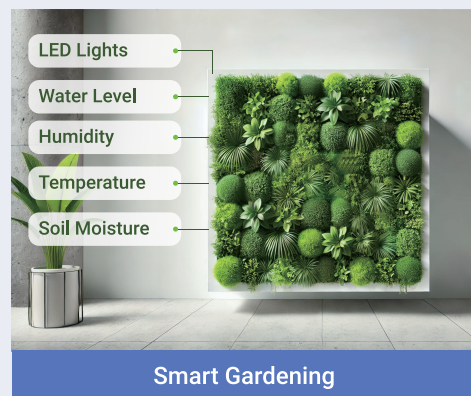
J.O.I is an innovative AIoT platform that allows users to specify desired services (functions) while the platform automatically manages device control. This approach eliminates the need for users to understand the intricacies of each device, facilitates easy device replacement, and simplifies the integration of complex IoT scenarios. As an edge-based system, J.O.I enables the creation of smart spaces without relying on the cloud or internet connections, ensuring both privacy and convenience. This platform redefines IoT by making smart technology more secure and accessible.

◆ Differentiators of J.O.I Compared to Other IoT platforms

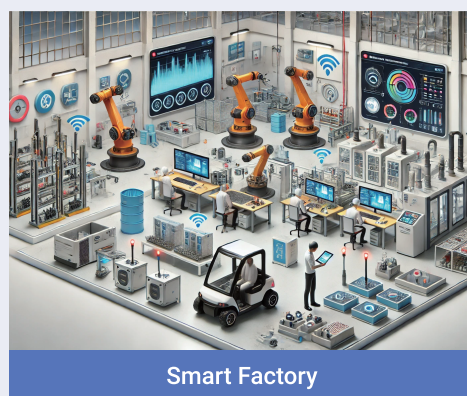
	J.O.I	Existing IoT Platforms
User Interaction	Specify desired services only	Specify the action of each device
Device Control	Automatic control by the J.O.I middleware	Manual control by a user
Group Device Control	Flexible multiple devices control with tagging	Limited multiple devices control
Customizability	Complex IoT scenarios can be easily added	Simple conditional scenarios only
Upgradability	Seamless device addition/replacement by registering the device only	Redefine all related applications that use the new device
Scalability	Hierarchical topology of J.O.I	Mesh topology of hub
Privacy Protection	Store IoT data on a local server	Send data to a cloud
Internet Connection	Not required	Required
Supporting Protocol	Wifi, Matter, BLE, Zigbee, LoRa	Partially supports(Wifi, Matter, BLE, Zigbee)

B2B Applications

J.O.I simplifies the maintenance and enhancement of IoT systems for IoT solution providers and IoT-enabled facilities. By specifying desired IoT applications at the service level, users can rely on J.O.I to handle device management and real-time application scheduling automatically. The J.O.I middleware is highly versatile and can be seamlessly ported to any hardware platform. As an edge-based platform, J.O.I ensures robust privacy protection. Additionally, its integration of AI techniques continuously enhances the intelligence and effectiveness of your IoT solution.



- Add sensors to check the status of essential elements for plant growth, such as soil and lighting.
- Add actuators for watering, lighting, and nutrient supply.



- Seamlessly connect and integrate robots and various automated devices utilized in smart factories.
- Incorporate sensors and implement new scenarios for diverse automation processes.



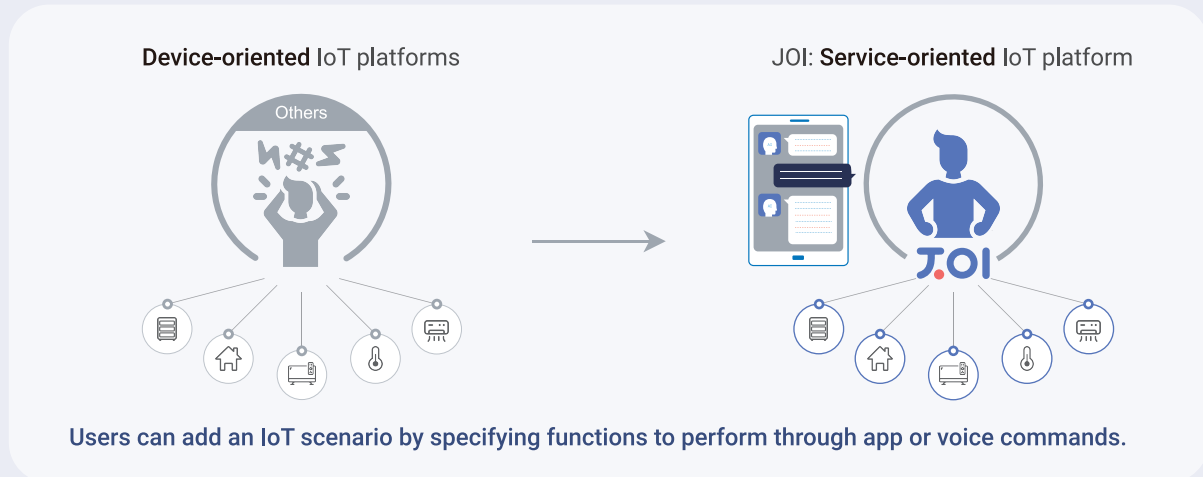
- Provide a solution that integrates and manages various types of sensors and actuators installed in the building.
- Enhance the building's intelligence by incorporating new smart devices and implementing innovative scenarios.

B2C Applications

JOI enables a user to transform any space into a smart environment with advanced IoT technology. Unlike traditional platforms, the JOI platform allows users to specify services, with IoT middleware automatically managing devices. We prioritize privacy and security, creating safe, convenient, and personalized smart spaces.

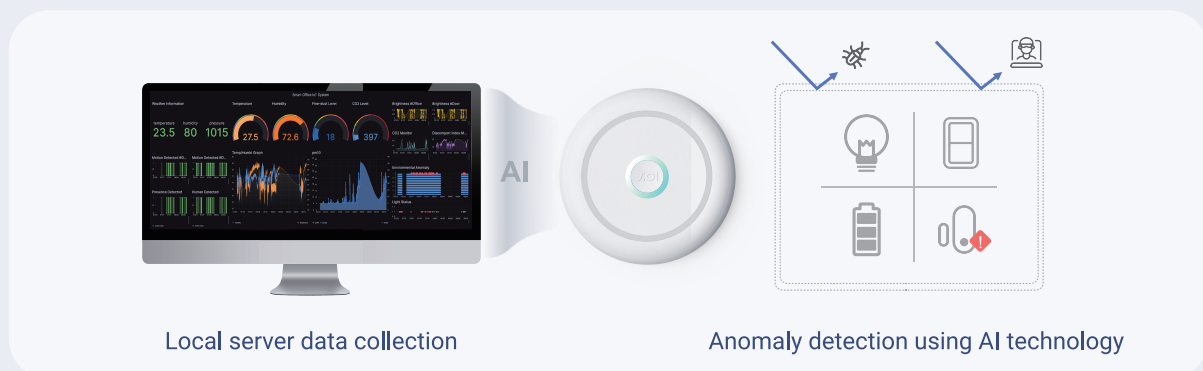
◆ New IoT Language

Want to create unique scenarios that perfectly fit your lifestyle? With JOI, you can design automation exactly the way you want it. JOI addresses this by developing its own scripting language, allowing users to create IoT scenarios in everyday language via apps or voice commands, which are then converted into scripts.



◆ Privacy Protection

Concerned about your personal data being exposed? Unlike cloud based IoT systems, JOI keeps all your data securely on its edge device.



◆ Easy Device Management

Looking to add or upgrade a smart device? JOI makes it simple to integrate new devices into your system. Adding more smart devices enhances the intelligence and functionality of your space, creating a truly smarter environment.

MySmaX, short for "My Smart X," aims to transform any space—home, office, car, or building—into a smart environment with our advanced IoT technology. As a spin-off from Seoul National University's research lab, we have core expertise not only in IoT platform technology but also in AI acceleration and robotic software. With these foundational technologies, we are poised to evolve into an AIoT robot platform company, connecting mobile IoT devices like robots in the near future.



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