

IoT

NeoIDM

AI IoT Platform

NeoIDM is a device management platform for gathering and controlling data and updating firmware on IoT devices.

Main Functions



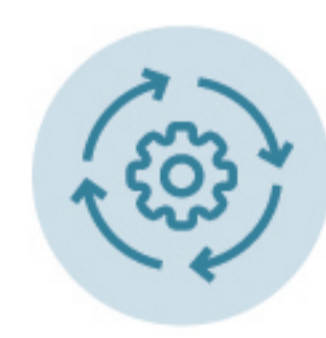
Bidirectional communication

- Bidirectional connections with different kinds of IoT devices
- Sending / Receiving messages in both directions using LWM2M and MQTT



User and group management

- Generation and management of 4-stage organization
- User registration, permissions management and setting for each group



Centralized control (automation)

- Device status and HW/SW version management
- Message transmission management (automatic transmission)
- Centralized automatic control according to predefined alarm rules



Excellent security and compatibility

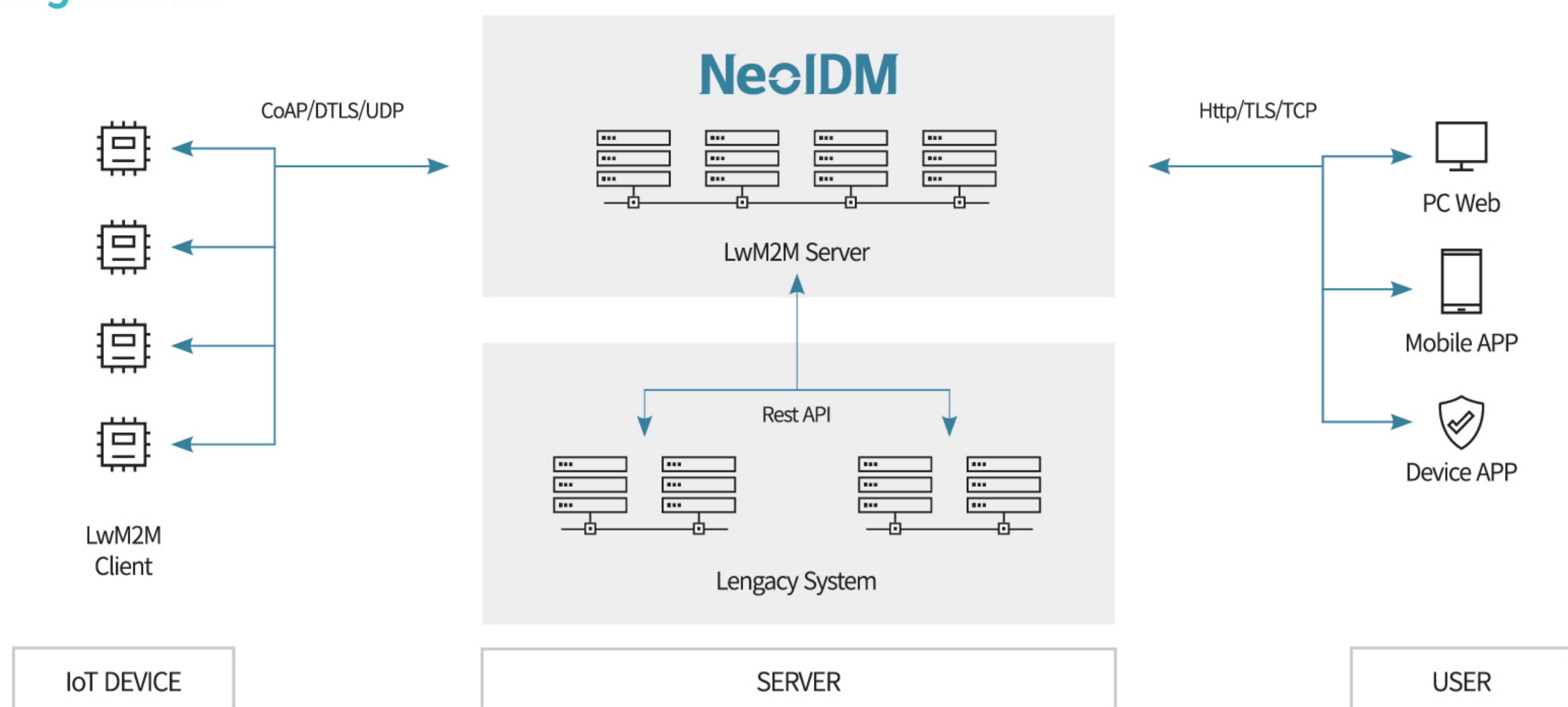
- Applied with encryption modNational Intelligence Service (ARIA 256, AES 256)
- Applied with security method using DTLS
- Compatibility for different kinds of IoT devices secured by complying with international standard (e.g. LwM2M)



Firmware update

- LwM2M-based FOTA (Firmware Over-the-Air)
- Firmware history management
- Simultaneous update on several devices

Service Configuration



Awards / Certifications



NeoIDM recognized by OMA, an international standards organization

NeoIDM has been evaluated as the most excellent platform in the TestFest (an interoperability testing) hosted by OMA (Open Mobile Alliance), an international standards organization for wireless Internet solutions and service standards, being recognized as an excellent platform complying with LwM2M standard.



Awarded at Korea Software Awards hosted by Ministry of Science and ICT (MSIT)

NeoIDM has been awarded at Korea Software Awards (KSWA) in the Embedded SW section in February, 2018. The KSWA awards excellent software products developed in the Korean market based on the evaluation of commercial value, creativity, and technical performance.



Accredited with GS Certification (level 1)

NeoIDM has acquired the GS (Good Software) Certification (level 1), proving its excellent quality as a software developed in the Korean market. Softwares accredited with the certificate become the preferential purchase target by the government and receive additional credit in the evaluation of technical proposal. Certificate No.: 18-0117

Industry

Public services, Industrial factory, Individual

Hancom Intelligence

Intelligence IoT, Big Data, AI and Security

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Website

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References

Smart Store Management

The first in Japan to operate a smart retail management system in connection with the existing store contract management system.

e Management with IoT



Background

Necessity of integrated monitoring for background music services
Necessity of prompt response to failure and increasing manpower cost for device management

Solutions

Connection to IoT devices such as communication setup box, tablets, and IP cameras installed in stores
Integrated wireless update using FOTA (Firmware Over-the-Air)

Effects

Provided one-stop solution for wireless communication, content distribution, visitor analysis service, and remote control
Cost reduction and problem-solving for lack of manpower in store management and support in effective store management



Smart Home: Smart door lock service to apartment users for management efficiency of rental housing

Background

Necessity of effective rental housing management by the mansion managing agency in Japan

Solutions

Rental housing environment monitoring using smart hub
Smart door lock remote control

Effects

Increase in management efficiency for rental housing and provision of smart door lock service