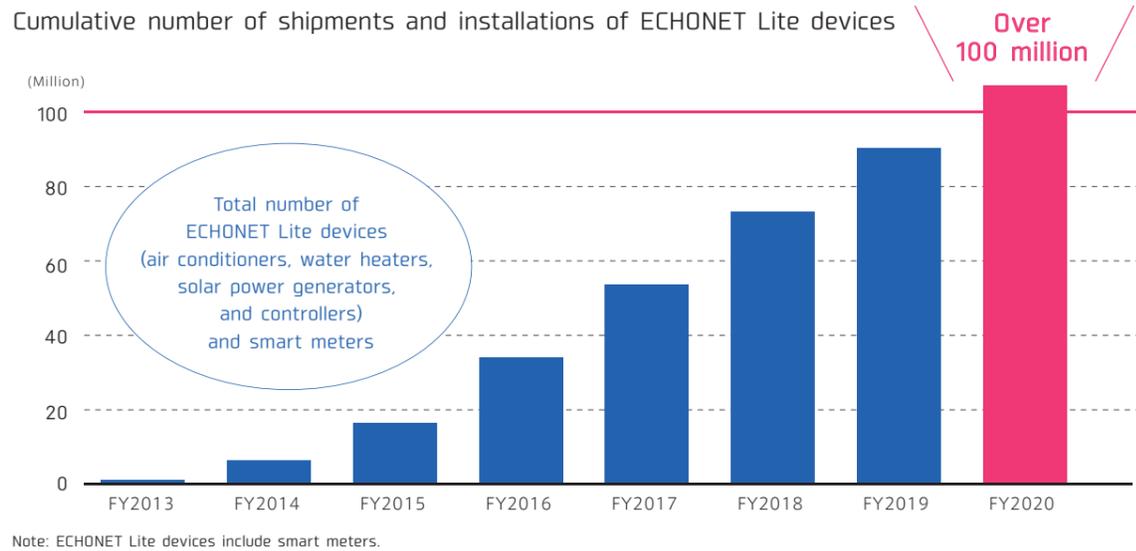
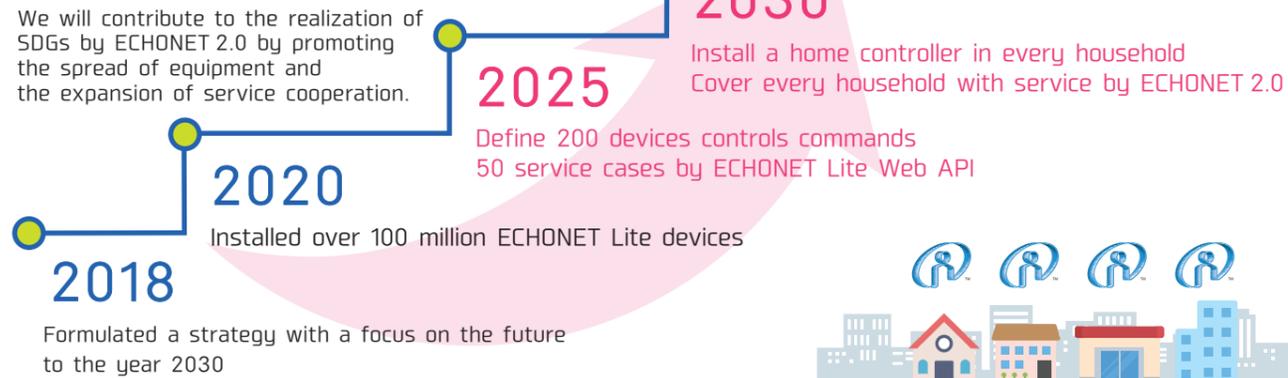


ECHONET Lite has already realized the world's largest scale of IoT environment



New Roadmap for ECHONET Lite to the year 2030



Dissemination overseas

International collaboration with standardization and training /research

ECHONET Lite Communication Middleware and Detailed Requirements for ECHONET Device objects, which both make up major parts of the ECHONET Lite protocols, were approved as international standards (ISO/IEC 14543-4-3 and IEC 62394) in 2015. The ECHONET Lite research and development centers and regional offices started operations in ASEAN countries such as Malaysia and Thailand this year.



ECHONET Consortium

ECHONET Consortium is an organization that promotes Communication protocol "ECHONET Lite" for home appliances and housing facilities, which are essential elements of smart homes, to cooperate with each other. We are standardizing the ECHONET Lite and promoting the spread of smart homes with support for commercialization of devices which support the ECHONET Lite standards and cooperation with related industries. In addition to the ECHONET Lite standards, we also promote formulation of ECHONET Lite AIF specifications that regulate the behavior of devices and "ECHONET 2.0" to contribute to the realization of a prosperous and sustainable society "Society5.0" by creating new added value. ECHONET Consortium has about 270 managing and general members, their associate members, and academic members participated from the home appliances, electricity, electronics, energy, residential, and IT industries, as well as from academic and research fields. Its managing members are Hitachi, Ltd., Mitsubishi Electric Corporation, Nippon Telegraph and Telephone Corporation, Panasonic Holdings Corporation, Tokyo Electric Power Company Holdings, Inc., and Toshiba Corporation.

Contact

**ECHONET Consortium** <https://echonet.jp/>

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Communication protocol for home networks in the IoT age



\*\*\*\*\* ECHONET Lite \*\*\*\*\*

This is



the future of home life



**ECHONET Consortium**

ECHONET Lite is approved as an international standard under ISO/IEC 14543-4-3 and IEC 62394.

IoT is expanding from energy management to every part of our lives.  
With ECHONET Lite, your house becomes a next-generation IoT housing.



## Increasing the number of connected IoT home appliances and housing facilities

More than 110 devices already support ECHONET Lite standards, and that number continues to grow.



## Expanding the lifestyles with IoT home appliances and housing facilities

Along with the expansion of lifestyles that utilize IoT home appliances and housing facilities, new business players will join and provide new services that make life more convenient and more comfortable.



## ECHONETLite What is it?

**ECHONET Lite is a shared language that enables communication between IoT home appliances, housing facilities, and energy generation/storage devices provided by different manufacturers.**

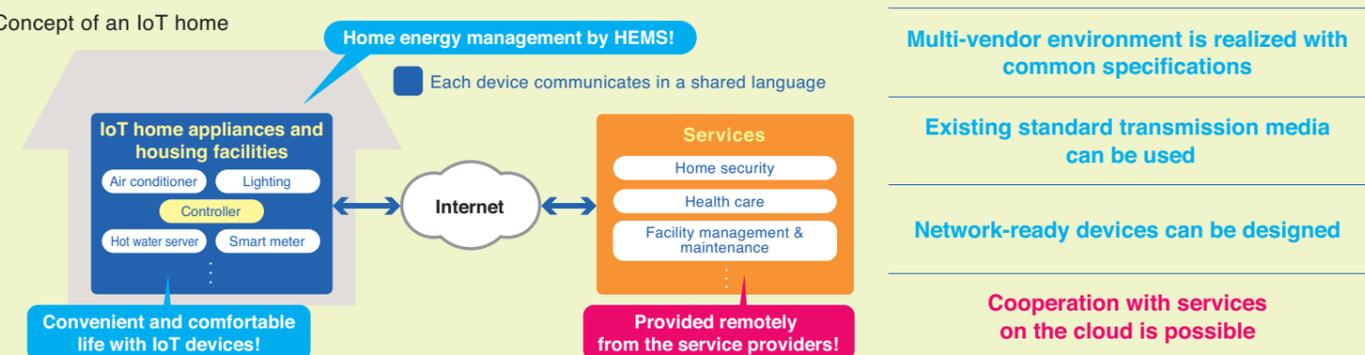
In order to control IoT home appliances, housing facilities, energy generation/storage devices of different manufacturers via the internet such as smart home that uses Home Energy Management System (HEMS), a common interface (the shared language) must be installed. The communication protocol that plays the role above is the ECHONET Lite.

ECHONET Lite is recommended as a publicity available standard interface (shared language).

★ECHONET Lite is recommended as a well-known standard interface in HEMS by The Smarthouse Standardization Committee of the Ministry Economy, Trade and Industry.

★ECHONET Lite is approved as an international standard under ISO/IEC 14543-4-3 and IEC 62934.

Concept of an IoT home



Convenient and comfortable life with IoT devices!

Provided remotely from the service providers!