Shikino High-Tech

We assist customer's network system building

IoT PLC

< IoT PLC Communication Module > ~ IEEE1901-2010 Compliance "HD-PLCTM" ~

[Power Line Communication] What is Shikino's IoT PLC Communication Module?

 High-speed data communication becomes possible using existing wiring such as power lines. By utilizing existing wiring, it is possible to construct a wired network without laying a new communication cable.

 The multi-hop function is equipped and can extend the communication distance by relaying multiple PLC modules. With this function, it can be introduced in a wide range of scenes, including factories, buildings and construction sites where long-distance communication is required.

• In addition to the data encryption function, the product also has the channel estimation function to study the state of transmission paths between modules, thus maintaining high security communication.

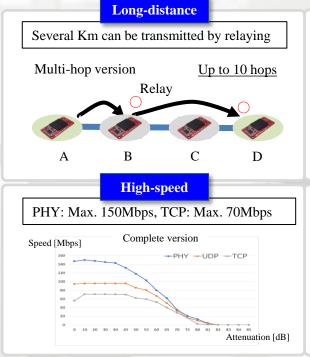
 The module shape is compact and can accommodate multiple wire shapes, it can be easily embedded into high-speed communication equipment that uses existing wiring.

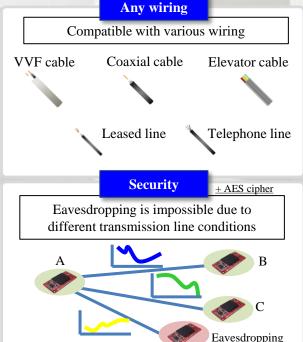


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[Four Characteristics]

- 1) Long-distance 2) Any wiring (Twisted pair, Telephone line, Coaxial, etc.)
- 3) High-speed 4) Security







With IoT PLC Communication Modules for embedding in equipment **Building New Network in the IoT era**

Advantages of using IoT PLC Communication Module

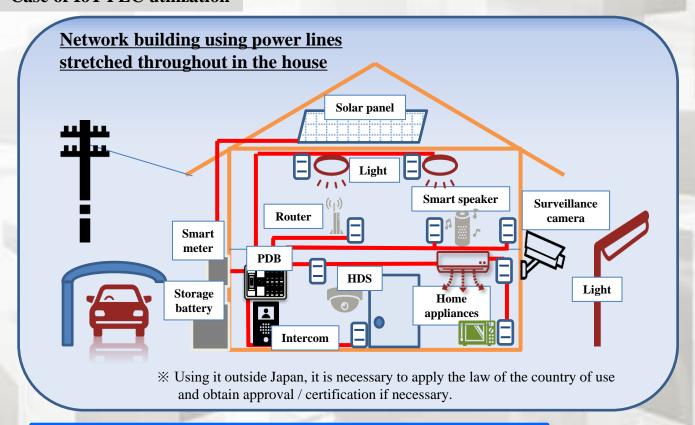
Wired connection (Combined use with wireless)

Use of existing wiring

Wire saving

- Wireless do not reach some areas.
- Even the area is connected by wireless, there is a possibility that radio waves will be deplete and communication will be impossible in the future.
- Construction costs are incurred for new construction and expansion of Ethernet.
- Ethernet branch requires HUB and must be maintained.
- Various laid lines have been wired to the facility.
- · Stationary equipment always has power lines.
- Multiple communication lines are grouped together for high-speed communication.

Case of IoT PLC utilization



For any inquiries, please feel free to contact below.

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