



SMK Develops ECHONETLite™ Wired Adapter Which Enables External Operations of Home Appliances



SMK Corporation has developed a wired LAN adapter supporting ECHONETLite™ communication protocol.

Home appliances and home equipment such as a boiler, air conditioner or a security door lock can be easily networked by connecting to this new adapter.

Smartphone operation of a multitude of home appliances and home equipment is possible through external and a local network via this adapter for Smart Home functionality.

The adapter can connect to home appliances and home equipment of various manufacturers with interfaces such as UART, HA, and RS-232C.

When installing this adapter in a home environment, it is embedded in commercially available electrical outlet and switchboxes making the cables invisible.

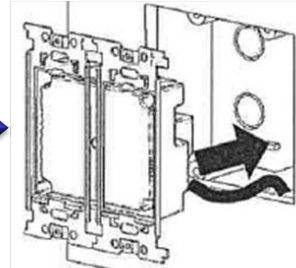
SMK intends to expand the sales of this adapter as a product contributing to the IoT-society.

Note: ECHONETLite is a trademark of ECHONET CONSORTIUM.

■ Product Image

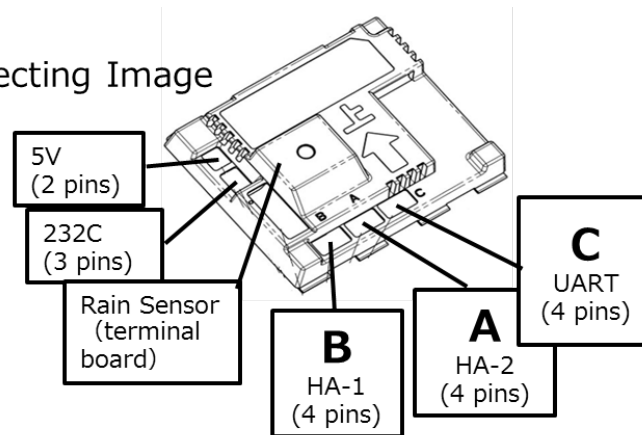


■ Installing Image



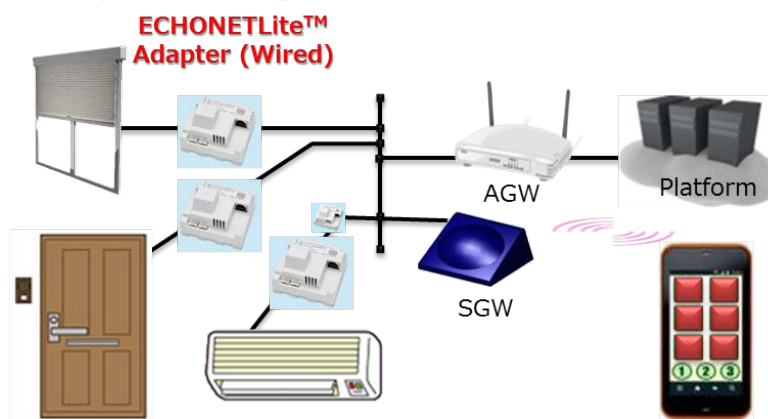
※The adapter is installed in a switchbox and embedded inside the wall to hide cables.

■ Connecting Image



※Switches various interfaces on and off.

■ System Image



※Switching air conditioner, electric key, etc. on and off with smartphone is possible by installing this product and linking smartphone with Access Gateway (AGW) and Service Gateway (SGW).

【Product Features】

1. Connect with multiple types of home appliances and home equipment of various manufacturers

- Enables remote control of various home equipment from the outside through a network.

2. Multi-interface

- Because there is a variety of interfaces are available, it is connectable to home appliances and home equipment of various manufacturers.



【Applications】

Air conditioner, boiler, floor heating, entrance door, electric shutter, window, etc. of homes or apartments.

Date of Release	2016-10-12	
Release No.	1070FC	
Product Name	ECHONETLite™ Adapter (Wired)	
Features	<ol style="list-style-type: none"> 1) Connects to multiple home appliances and home equipment of various manufacturers. 2) Enables device control through an external network. 3) To be installed in commercially available electrical outlets and switchboxes (deep type) and embedded inside the wall. 	
Major Specifications	General Specifications	Size: 2-port Switch Box (deep type) Operation Clock: 120MHz Supply Voltage: +36V to +57V (POE IEEE802.3af supported) Electricity Consumption: Typ. 1.0W Communication Method: Wired LAN (Ethernet)
	Temperature Range	Operating Temperature: -10°C to +50°C Storage Temperature : -20°C to +60°C
	Interface	Communication Method: UART one piece, HA (JEM-A) Two pieces ⇔ Somfy two pieces, RS-232C one piece, sensor one piece
Date of Starting Taking Orders	October, 2016	
Goes into Mass Production from	January, 2017	