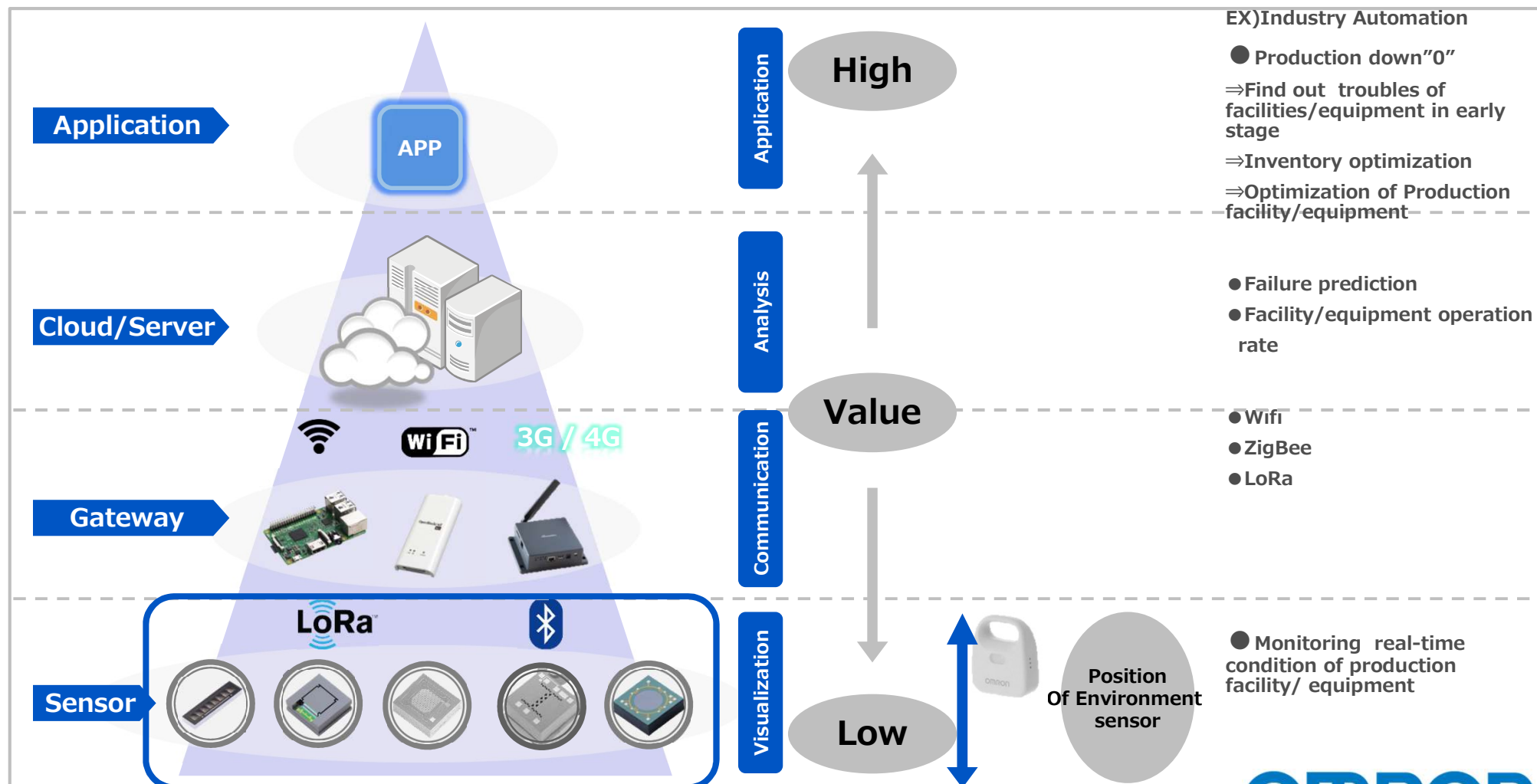# 形2JCIE Environment Sensor

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Position in the field of IoT

■ It makes visualize objects condition by monitoring

Position of Environment Sensor

Application

Cloud/Server

Gateway

Sensor

APP

LoRa

WiFi™   3G / 4G

LoRa™   ❋

Application	High
Analysis	
Communication	Value
Visualization	Low

EX)Industry Automation

● Production down"0"

⇒Find out troubles of facilities/equipment in early stage

⇒Inventory optimization

⇒Optimization of Production facility/equipment

●Failure prediction

●Facility/equipment operation rate

●Wifi

●ZigBee

●LoRa

Position Of Environment sensor

● Monitoring real-time condition of production facility/ equipment

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Product Line-up

	2JCIE-BL01	2JCIE-BU01
Dimension	39.0 x 46.0 x 14.6 mm	14.9 x 29.1 x 7.0 mm
Power Supply	CR2032 （battery）	USB
Function	Temperature., Humidity, Light, UV, Barometric pressure, Sound Noise	Temperature, Humidity, Light, Barometric Pressure, Acceleration, Sound Noise, VOC gas
Detection Range — Temperature	-10～60℃	-10～60℃
Detection Range — Humidity	0～100%RH	0～100%RH
Detection Range — Light	10～2000lx	10～2000lx
Detection Range — UV	Index1～11	–
Detection Range — Barometric Pressure	700～1100hPa	700～1100hPa
Detection Range — Sound Noise	37～89dB	40～94dB
Detection Range — Acceleration	–	Earthquake detection algorithm
Detection Range — VOC Gas	–	0～32768ppb
Communication	Bluetooth4.2	Bluetooth5.0, USB2.0
Certification	US、EU,CN,TW,SG	US、EU,CN,TW

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Product features

It contributes for creation of new values by multiple sensors in one package

Multiple
Multiple sensors in one package provide you multiple information at same time and one time.

Memory
The information loss is prevented by saving date inside of built-in memory even if communication is not established
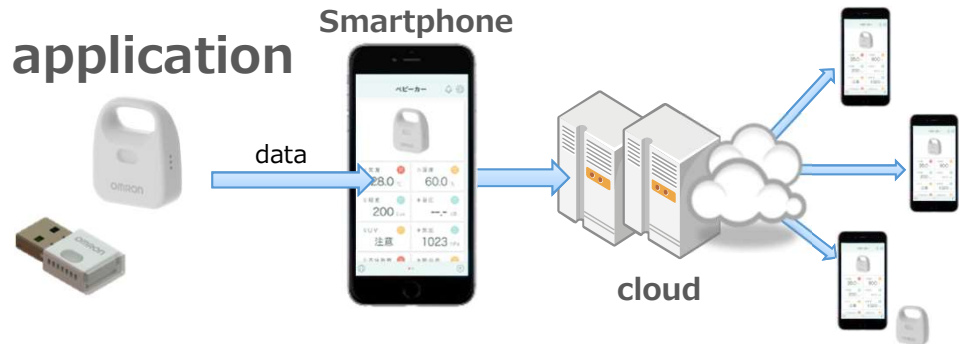
Small
Small dimension, packaging provide you to use at any place

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Main ways to use

● Main 3 ways to use environment sensor up to application

①Cloud linkage by smartphone application

Smartphone

- To store data into cloud
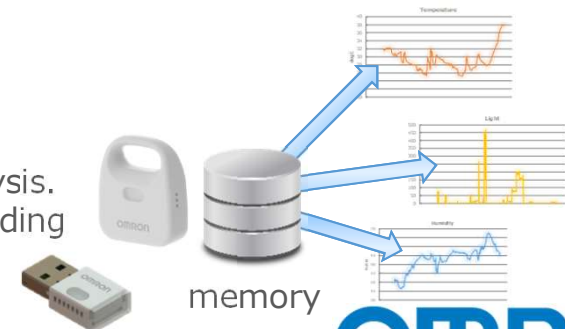- To monitor them at any place, any time

data

cloud

②IoT gateway as sensor beacon

- To communicate from sensor to gateway as beacon signal
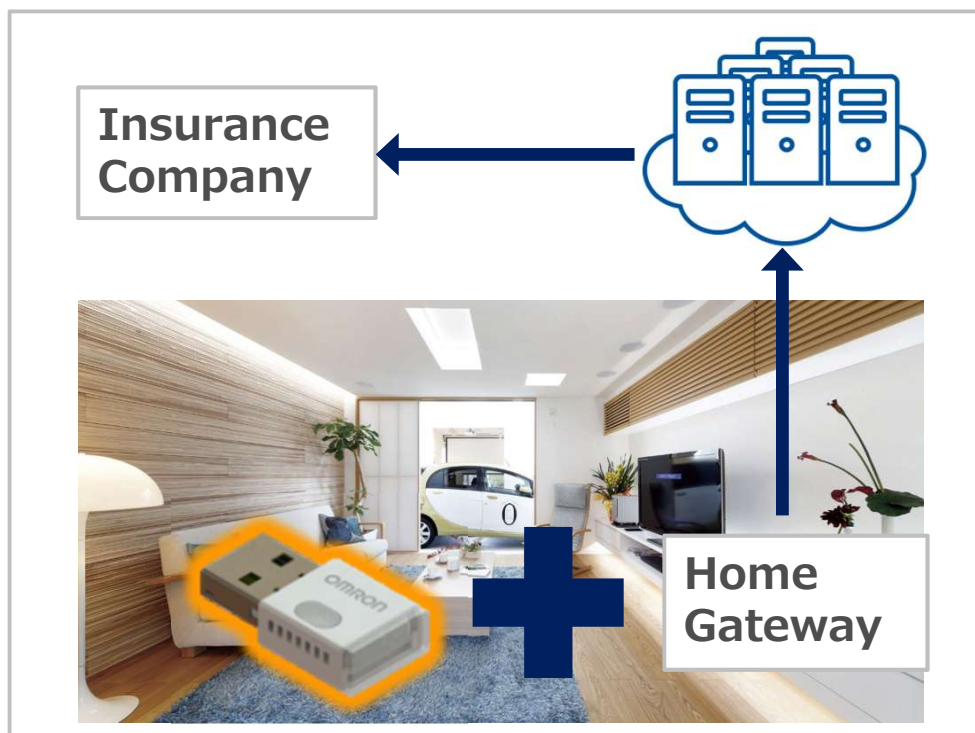- To configure application freely

③Data logging by sensor built-in memory

- To store data into built-in memory
- To take out those data from memory and use to read for data analysis.
  * It can be stored data for approx. 3 months in the case of recording every 5 minutes

memory

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Business Model1

Smart house	Vacation rental

Smart house:
- Insurance Company
- Home Gateway

Vacation rental:
- Estate owners
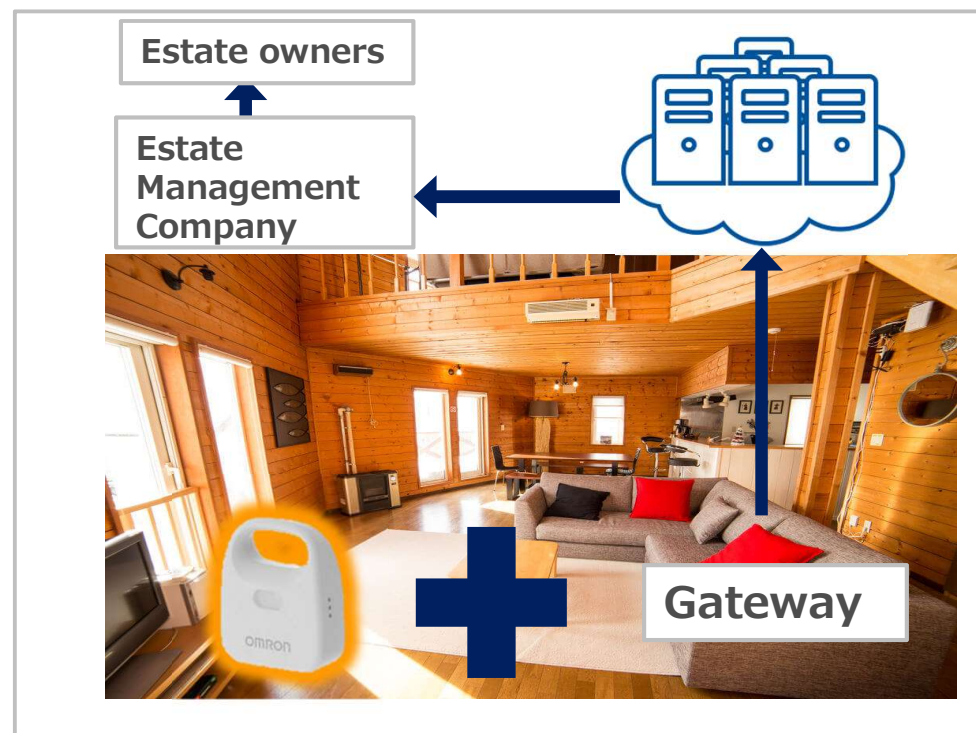- Estate Management Company
- Gateway

【Application】
● Acquisition of living environment data

【Business Model】
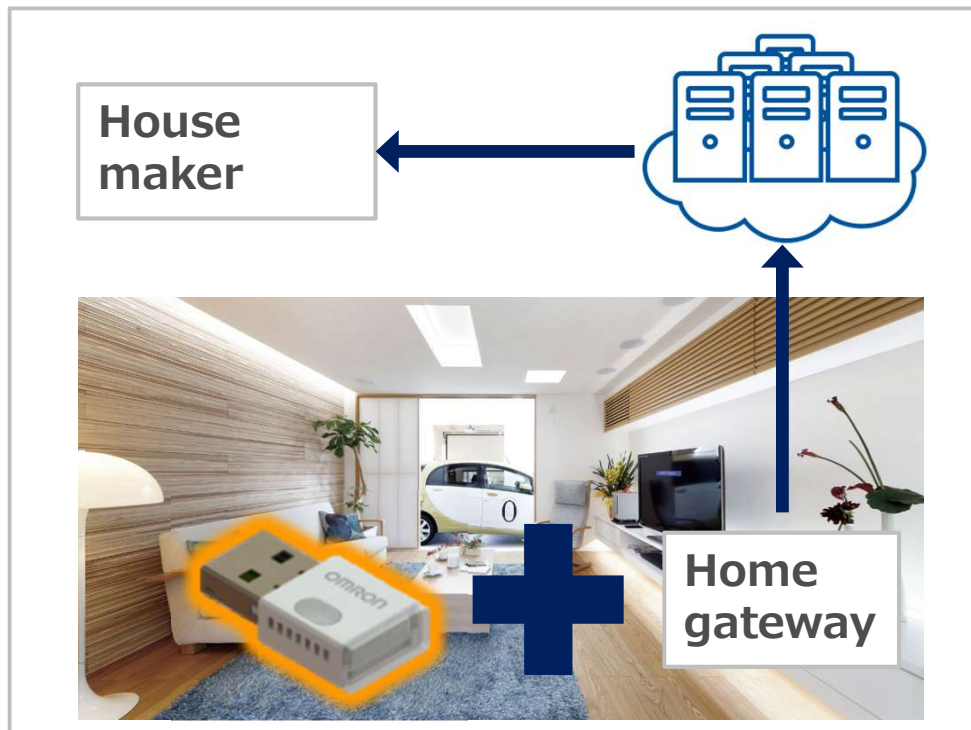● Insurance company uses living environment data to set residents' insurance fee

【Application】
● Acquisition of guests' noise staying in rental house

【Business Model】
● Report to the estate owners with acquisition data to rate guests

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Business Model2

House Renovation	Weather

House maker
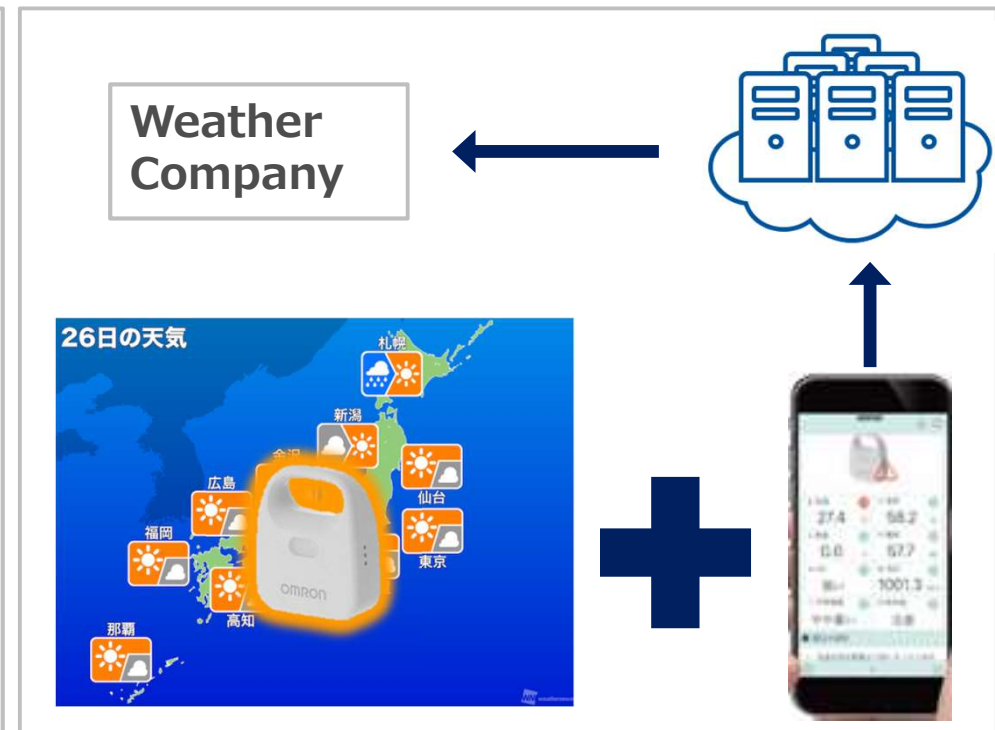
Home gateway

Weather Company

【Application】
● Acquisition of earthquake data
【Business Model】
● House makers analyze damage condition of house from acquisition data, and provide timing of house renovation to house owners

【Application】
● Acquisition of environment data in each area
【Business Model】
● Weather companies use data to realize real-time weather in each area, visualize weather trend by analysis of data, and provide those to users

Thank You