

For immediate release

## **TAIYO YUDEN Releases Sensor Node Development Kit for IoT-Related Devices** *Supporting IoT startups in combination with Bluetooth® modules and sensors*

TOKYO, April 17, 2020—TAIYO YUDEN CO., LTD. announced today the release of a sensor node development kit that can facilitate the development of sensor nodes in combination with a *Bluetooth*®\*1 module evaluation board, sensors, and sample codes.

Many startups have been using development methodologies called agile development or lean development to develop their products in a short period of time. However, prototyping IoT-related devices requires preparation of various types of sensors, wireless modules, as well as dedicated circuit boards and connectors to connect each of them, posing challenges in both time and manpower required for procurement.

In response to this situation, TAIYO YUDEN commercialized a sensor node development kit that can be purchased by the set to address such challenges for startups in the development of IoT-related devices. The product, which facilitates sensor node prototyping, is comprised of a *Bluetooth*® module evaluation board, three types of sensors (temperature sensors, illuminance sensors, and accelerometers), and sample codes to operate them to bundle the hardware and software as a package, which can be a challenge to achieve before commencing on the development of IoT-related devices.

Sales of this development kit will commence in April 2020, with a sample price of 7,980 yen per set\*2.

### **Technology Background**

Battery-operated IoT-related devices are required to operate at extremely low power consumption when used in, for example, sensor networks. The development of such devices requires the creation of software for wireless communications; thus, development time has been one of the challenges involved. Various additional challenges also need to be addressed, such as the procurement of wireless modules and sensors that can be purchased even in small quantities at the prototyping stage and the arrangements of connectors and interfaces used for connecting them.

In response to this situation, TAIYO YUDEN commercialized a sensor node development kit based on *Bluetooth*®, which has come into widespread use as a wireless communications standard with low power consumption, comprising the most popular types of sensors such as temperature sensors, illuminance sensors, and accelerometers, as well as sample codes that can be used for displaying data from these sensors on a smartphone application.

TAIYO YUDEN will continue to develop additional easy-to-use wireless modules in response to market needs.

\*1 The *Bluetooth*® word mark and logos are owned by Bluetooth SIG, Inc. and the use of such marks by TAIYO YUDEN CO., LTD. is under license.

\*2 The sample price mentioned in this release is our direct sales price. When considering purchasing via a sales agency, please contact the agency for the sample price.