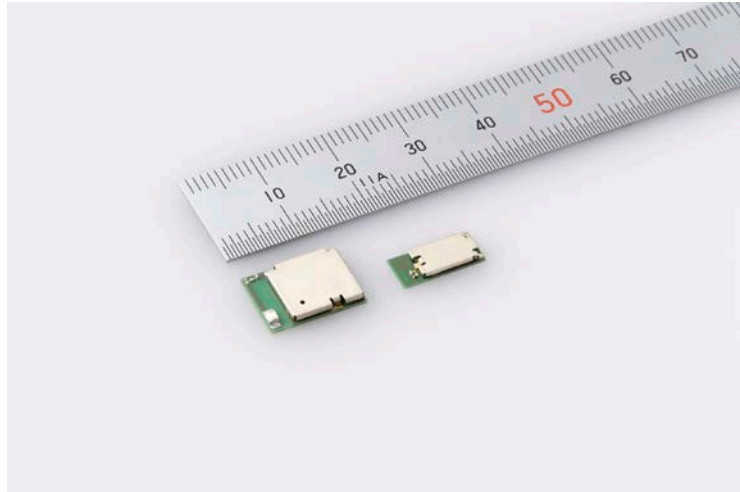


For Immediate Release

TAIYO YUDEN Extends Lineup of *Bluetooth*[®] Smart Modules

Solution Proposal Webpage Established for Easier Device Selection



TOKYO, September 24, 2015 - TAIYO YUDEN CO., LTD. announced today the launch of seven *Bluetooth*^{®*1} Smart^{*2} module products in total as part of the EYSGCN series (9.6 x 12.9 x 2.0 mm), as well as the EYSGJN and EYAGJN series (both 5.1 x 11.3 x 1.3 mm).

These wireless communications modules, compatible with a wireless communication standard called *Bluetooth*[®] v4.2 low energy (*Bluetooth*[®] Smart), are optimum products for many different small, thin devices including healthcare equipment, wearable devices and smartphone peripherals.

Due to the emergence of new functions such as "beacon" and their adoption in smartphones, devices using *Bluetooth*[®] Smart technology are rapidly increasing in variety and number. However, designing different wireless circuits for individual devices will result in increased development costs, while modularized circuits will deprive device developers of their freedom to apply only necessary functions to individual devices, thus preventing them from choosing optimum functions.

In response to diverse customer needs, TAIYO YUDEN will launch seven items in total, including small-type products and products with our original embedded software, and publish them on a solution proposal page for the *Bluetooth*[®] Smart technology on our website. For proposing optimum products, the webpage also carries an optimum module selection chart that allows our customers to select modules suitable for their needs.

Production of these products will commence in Japan in September 2015 at a production rate of one million units per month. The sample price for all items is 3,000 yen per unit.^{*3}

Technology Background

Bluetooth[®] v4.2 low energy (*Bluetooth*[®] Smart), which is part of the *Bluetooth*[®] standards, is a very low-energy communications standard. Therefore, the technology has been increasingly adopted in many different devices, including healthcare products such as bathroom scales and blood-pressure meters, as well as wearable devices such as activity trackers. In addition, the emergence of various

services based on a function of *Bluetooth*[®] Smart known as "beacon" is resulting in a rapid increase in the number of *Bluetooth*[®] Smart-enabled devices.

On the other hand, an increasing variety of individual devices and customer needs has made it necessary to offer an increased number of products in the *Bluetooth*[®] Smart module lineup, including different size and memory capacity options.

In response to this demand, TAIYO YUDEN will launch seven items, including the EYSGCN series, which is equipped not only with an antenna but also with capacitors and inductors for the DC-DC converter and a 32.768-kHz crystal oscillator; the EYSGJN series, which contains products that are smaller than conventional ones; the EYAGJN series, which supports *Bluetooth*[®] Smart and ANT[™]*4 standards; and the EYSGCNAWY-1X and EYSGJNAWY-1X series, which have embedded our original software.

TAIYO YUDEN is committed to further extending our lineup of products that offer high-functionality, compactness, and a lower-profile in response to market needs.

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

*2 "*Bluetooth*[®] Smart" is a standard stipulated by Bluetooth SIG, Inc.

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

*4 ANT[™] is a registered trademark or a trademark of Garmin Switzerland GmbH in the U.S. and other countries.

■ Applications

Wireless communication modules for a variety of small, thin devices including healthcare equipment, wearable devices, and smartphone peripherals.

The characteristics of the *Bluetooth*[®] Smart modules released on this occasion are as shown below.

Part Number	Size (L x W x H)	Specification	ANT [™] standard compatible	I/F	RAM (kB)	Certification	Temperature
EYSGCNZXX	9.6 x 12.9 x 2.0 mm	V4.2 BLE Single Slave/ Master	●	UART SPI I ² C	16	Japan FCC IC	-25 to +75°C
EYSGCNZWY					32		
EYSGJNZXX	5.1 x 11.3 x 1.3 mm				16		
EYSGJNZWY					32		
EYAGJNZXX							
EYSGCNAWY-1X	9.6 x 12.9 x 2.0 mm						
EYSGJNAWY-1X	5.1 x 11.3 x 1.3 mm						