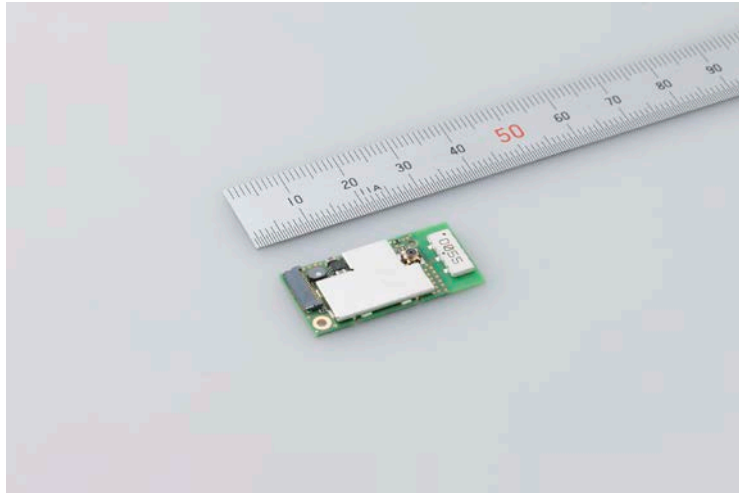


For Immediate Release

TAIYO YUDEN Commercializes Wireless Module Equipped with a Dual-Band Antenna

Contributing to a reduction in the development period of wireless devices based on conformity to Japan's Radio Law



TOKYO, July 16, 2015 - TAIYO YUDEN CO., LTD. announced today the launch of WYSAAVDXB, a wireless module (30 x 15 x 2.45 mm, with height as the maximum value) that can use both 2.4-GHz and 5-GHz frequency bands.

This product is a wireless module for the industrial equipment market (e.g., M2M products, including robot controllers, portable data terminals for barcode scanning, and mobile printers for printing scanned data) as well as the environmental and energy markets (e.g., HEMS devices including lighting controllers and smart meters).

The wireless module is equipped with a self-developed dual-band antenna that is compatible with both the 2.4-GHz band and the 5-GHz band, realizing a more efficient and smaller product compared to those equipped with a pattern antenna. Conforming to Japan's Radio Law, this easy-to-use product allows the use of both the IEEE802.11a/b/g/n wireless communication technology and *Bluetooth*[®] wireless communication technology in a single module, thus contributing to a reduction in the development periods of wireless devices.

Production of this product will commence in July 2015. The sample price is 5,000 yen per unit.

Technology Background

While devices using wireless communications, such as those used for IoT applications, have rapidly been increasing in number in recent years, data traffic is also on the rise. Demand for wireless communications continues to increase, particularly in M2M-based robot control associated with the automation of manufacturing processes, the most notable example of which is the movement of Industry 4.0. In such an environment, available frequency bands are suffering from congestion and mutual interference, often resulting in various obstacles, including decreased wireless communications speed and difficulty in establishing connections.

TAIYO YUDEN has thus commenced with commercialization of WYSAAVDXB, a wireless module equipped with a dual-band antenna that is compatible not only with the 2.4-GHz band that is used in many devices, but also the 5-GHz band. Conforming to Japan's Radio Law, the product allows the addition of a wireless communications feature to your devices even if you lack any expertise in designing high-frequency circuits. It will contribute to a reduction in the development periods of various kinds of industrial equipment, such as robot controllers, for which demand for wireless communications is rapidly increasing.

We will continue to actively promote product development for even smaller wireless modules that are compatible with new wireless communications standards such as IEEE 802.11ac, and expand the lineup of our wireless modules.

*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.

■ Application

Wireless module for the industrial equipment market (e.g., M2M products including robot controllers, portable data terminals for barcode scanning, and mobile printers for printing scanned data), as well as the environmental and energy markets (e.g., HEMS devices including lighting controllers and smart meters).

■ Details of the wireless module to be launched on this occasion are as follows:

Part number	WLAN	I/F	Bluetooth	Embedded	Certification	Operation Temperature
WYSAAVDXB	802.11 a/b/g/n	SDIO, PCM	Yes	EEPROM X'tal Antenna	Japan	-30~85°C