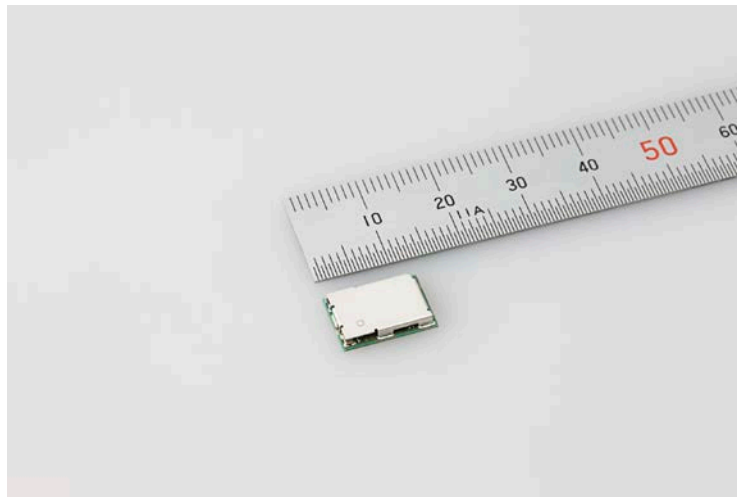


For Immediate Release

TAIYO YUDEN Commercializes New Wireless Module Meeting High-Speed Wireless Communication Standards

Demonstrating the Capability to Transmit on 2.4 GHz and 5 GHz Bands to Achieve Excellent Connectivity and High-Speed Communications



TOKYO, April 5, 2016 – TAIYO YUDEN CO., LTD. announced the launch of WYSBHVXG, a wireless module (12.6 x 8.9 x 1.9 mm, with height as the maximum value) that meets IEEE 802.11ac.

The product, used in industrial equipment markets (robot controllers and other M2M equipment, handy terminals for scanning bar codes, and mobile printers for printing scanned data) and security cameras, meets IEEE 802.11b/g/n that uses the 2.4 GHz band, and IEEE 802.11a/n/ac that uses the 5 GHz band and *Bluetooth*^{®*1} v4.2, thus helping customers to build the best wireless system for their environment.

Mass production of the product will start from April 2016, with a sample price of 4,000 yen^{*2}.

Technology Background

While the use of equipment employing wireless communications has seen a rapid increase recently along with the popularity of IoT, the amount of data traffic is also on the rise. In particular, as robot control techniques by M2M to coordinate production stage and production machinery attract more and more attention (the most notable example of which is the movement of Industry 4.0), demand for wireless communications has grown in both industrial and consumer equipment markets. Accordingly, available frequency bands are suffering from congestion and mutual interference, which results in many obstacles, such as decreased wireless communications speed and increased difficulty in establishing connections.

To respond to this situation, we will launch WYSBHVXG, a wireless module that complies with IEEE 802.11ac and supports high-speed communications with a maximum 434 Mbps. With the capacity to use both 2.4 GHz band and 5 GHz band wireless communication standards, the product achieves high connectivity and high-speed wireless communications even in factories where various wireless communications are heavily employed.

We will continue to develop wireless module products that support enhanced high-speed wireless communications such as IEEE 802.11ac Wave2, thereby expanding our product lineup.

*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 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.

■ Applications

Wireless module for industrial equipment markets (robot controllers and other M2M equipment, handy terminals for scanning bar codes, and mobile printers for printing scanned data) and security cameras

New wireless module specs are as follows:

Part Number	WLAN	I/F	<i>Bluetooth</i> [®]	Embedded	Operation Temperature
WYSBHVXG	802.11 a/b/g/n/ac	SDIO, PCM	Yes	X'tal	-30~85°C