

Renesas Ready Ecosystem Partner Solution

TOSHIBA RECAIUS Voice Recognition

Solution Summary

RECAIUS, speech recognition middleware voice trigger, is a software component which detects prespecified words and allows hands-free operation without using a switch to initiate listening. Out-of-box support is now available for the Renesas [RA Family](#) and [RX Family](#) of MCUs.

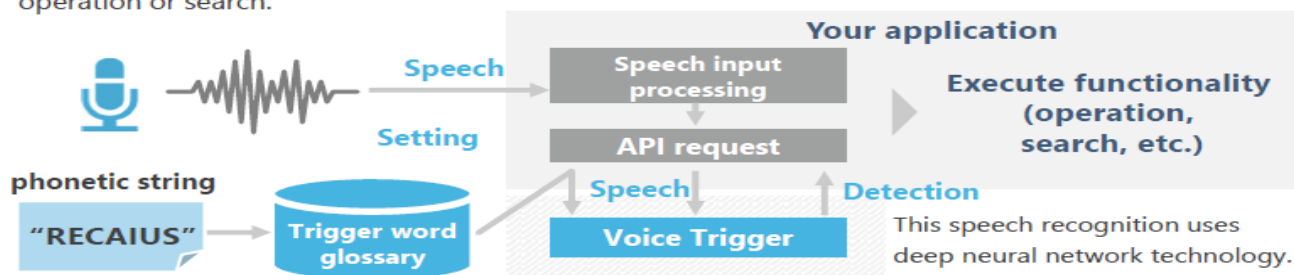
Features/Benefits

- SW solution realize talk-switch less and hands-free system detecting pre-defined word (Trigger Word) .
- No Internet connection required.
- Triger word can be defined by customer.
- Suitable for edge device due to small memory size and less CPU performance.
- Partner Beamforming, Noise suppression technology can be used.

Diagrams/Graphics

Configuration for use

In your application, implement the functions desired as the response to the detection, such as device operation or search.



Target Markets and Applications

- Industrial Controls
- Smart Home
- Home Appliance
- Smart Buildings
- Consumer Electronics

TOSHIBA

Company Name	TOSHIBA DIGITAL SOLUTIONS CORPORATION
Headquarters Address	72-34 Horikawa-cho, Saiwai-ku Kawasaki-shi, Kanagawa 212-8585, Japan
Date of Succession	July 1, 2017 (Split off from Toshiba Corporation)
President and CEO	Taro Shimada
Business Description	System Integration, Development, Manufacture and Sales of ICT Solutions Utilizing IoT and AI Technology
Common Stock	¥23,500 million (100% owned by Toshiba Corporation)
Net Sales	¥252.4 billion yen (FY2019)
Subsidiaries	8 Companies (7 in Japan and 1 overseas)
Number of Employees	(non-consolidated) 3,880 (consolidated) 8,621 (as of February 2020)

【Subsidiaries】

- Toshiba Digital & Consulting Corporation
 - [Digital business strategy consulting](#)
- Toshiba Information Systems (Japan) Corporation
 - [SI, embedding, semiconductor engineering](#)
- Toshiba IT-Services Corporation
 - IT maintenance and operation services
- Japan Systems Corporation
 - [SI software development](#)
- Chubu Toshiba Engineering Corporation
 - [Semiconductor engineering](#)
- Kyushu Toshiba Engineering Corporation
 - [Regional SI, semiconductor engineering](#)
- Enterprise Business Systems Solutions Corporation
 - [Consulting](#)
- Toshiba Information Systems (Shengyang) Co., Ltd.
 - [System sales in China](#)