

# RA Ecosystem Partner Solution

## Cyberon DSpotterNLU



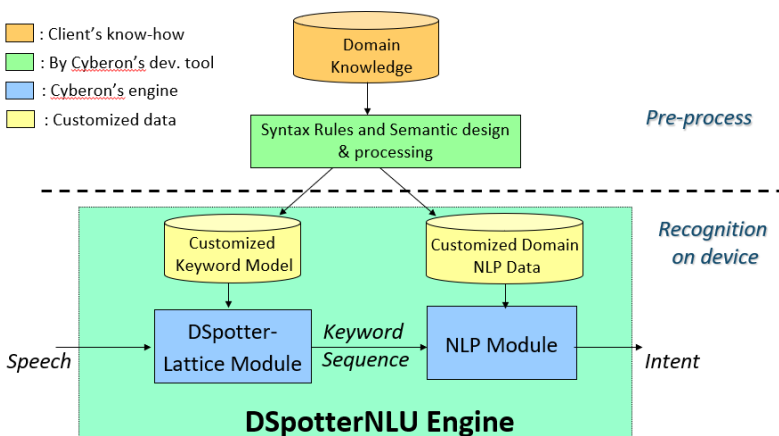
### Solution Summary

Cyberon DSpotterNLU (Natural Language Understanding) is a local free speech control solution that runs on MCU platforms by combining the technologies of speech recognition and natural language processing. Users don't need to memorize specific command terms and can give their voice commands in a natural and intuitive way. Cyberon provides friendly tools for developers to create their applications simply by text input, no training data is required. DSpotterNLU is available for [Renesas RA8 MCUs](#).

### Features/Benefits

- Local free speech control algorithm, no network connectivity needed
- Supporting complex voice commands and various expressions
- Quick customization by text input
- Global language support for 44+ languages worldwide
- High recognition performance with Arm® Helium™ optimization
- Small footprint (typically Flash: 250KB ~ 900KB, RAM: 200KB ~ 230KB) and multiple options
- Friendly tools for creating recognition keywords and NLP (Natural Language Processing) rules, no-prior neural network knowledge needed

### Diagrams/Graphics



### Target Markets and Applications

- IoT devices
- Home appliances
- Wearable/Hearable devices



## About Us

Cyberon Corporation, founded in 2000, with its headquarter in Taipei, Taiwan, is a leading embedded speech solution provider and supported by experts experienced in Speech Recognition and Text-to-Speech technologies for tens of years. Cyberon's speech solution is developed specifically for mobile & portable devices to provide users a convenient, natural and reliable user experience.

We not only commit ourselves to deliver highly reliable products, but ensure partners to acquire professional and real-time support. Developers can integrate our solutions with minimal effort. Furthermore, Cyberon's ability in customization gives our partners more ideas to show differentiation in today's competitive market.

## Contact Info

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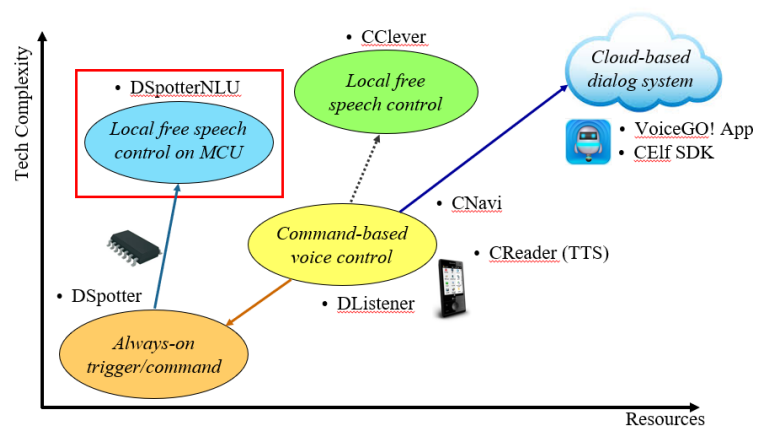
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## Full Product Line of Speech Solutions



## Rich Applications/Markets

