

RA Ecosystem Partner Solution

eProsima

RA Family & micro-ROS support



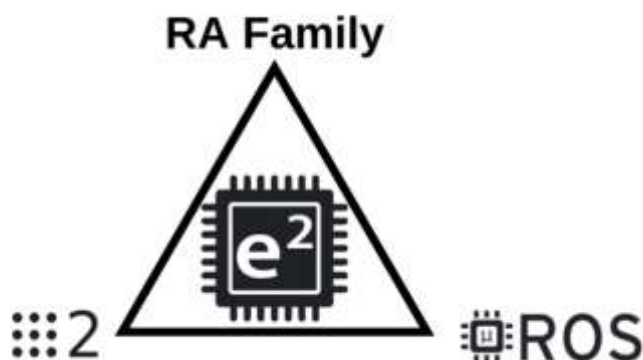
Solution Summary

micro-ROS open source framework connects ROS 2 with the embedded world. This comprehensive solution provides an Eclipse environment that covers the full development cycle with [RA family of MCUs](#). It fully integrates micro-ROS into the RA family, and e² Studio.

Features/Benefits

- RA Family: the reference platform for micro-ROS
 - Bringing the micro-ROS APIs to RA Family MCUs
 - Breaking the boundaries of the ROS 2 ecosystem
 - Extending the range of applications (Industry 4.0, IoT, ...)
- e² Studio & micro-ROS
 - Full coverage of the MCUs SW development cycle
 - FreeRTOS, ThreadX, Bare metal
 - Transports: UDP, UART, USB-CDC, CAN/FD, Wi-Fi transport
- Reducing the time-to-market of MCUs based applications with easy-to-start solutions and Renesas's [EK-RA6M5](#) and [MCK-RA6T2](#) hardware kit.

Diagrams/Graphics



Get micro-ROS support at
renesas_support@eprosima.com



Target Markets and Applications

- Service robot for Logistics
- Defense & Security
- Agriculture and Healthcare

[Renesas - RA Family \(eprosima.com\)](https://www.eprosima.com/renesas-ra-family)

Company name	eProsima
Website	https://www.eprosima.com/
Headquarters	Plaza de la Encina 10-11 Nucleo 4 2ª Planta, 28760 Tres Cantos, Madrid Spain Tel 0034 918 04 34 48
President	Jaime Martin Losa
Business description	Computer software eProsima, the middleware Experts, is the company behind Fast DDS (the default DDS middleware used by ROS 2 Foxy), the developer of Micro XRCE-DDS (the middleware for eXtremely Resource Constrained Environments) and coordinator of micro-ROS (the official extension of ROS 2 for microcontrollers). Furthermore, eProsima is a member of the Technical Steering Committee of ROS 2, the Object Management Group, the FIWARE and Autoware Foundation and thus combines in-depth knowledge of important influential communities. The company believes in the open source business model and provides solutions especially in the sectors of robotics, automotive, Internet of Things, and critical systems.
github eProsima	https://github.com/eProsima
Contact	https://twitter.com/EProsima https://www.facebook.com/Eprosima-1419313941682252 https://www.linkedin.com/company/eprosima/mycompany/