

RA Ready Ecosystem Quote Sheet



Advanced Media, Inc. (AMI)

AMI addresses intelligent man machine interface to realize natural communication between humans and machines using its unique voice recognition technology called AmiVoice. AMI's AmiVoice operates on the cloud as well as offline on PCs and smartphones.

Takao Kobayashi of AMI stated, "By combining Renesas RA microcontrollers with our AmiVoice, I foresee an increase in demand for offline voice recognition. Also, I believe voice communication will expand into areas not previously possible. Our solution realizes high recognition accuracy using RA MCUs, which allow us to easily program various voice commands into the MCU's large memory.



BFG Engineering

BFG is a development house focused on hardware & software design targeted at advanced control for electric drives, small machinery automation, and control of industrial processes.

BFG is pleased to be an RA Family member and ecosystem partner delivering professional motor control solutions and creating value for the embedded MCU market. We have maintained a successful long-term partnership with Renesas as one of its Platinum Partners, building system solutions to meet the needs and demands of a wide variety of customers. We are now delivering hardware and software algorithms for RA MCUs that are based on the Flexible Software Package (FSP). BFG's ready to use RA solutions are available today to quick start project R&D, boost ROI, and accelerate time-to-production.



CapExt

"The partnership between CapExt and Renesas ensures that Renesas customers can achieve the best possible HMI performance." asserts Torbjørn Viksand of CapExt AS. "I'm convinced that the touch controller in the RA Series of MCUs combined with our software for touch simulations will save countless engineer-hours, while also guaranteeing the best field performance possible. With our easy to use capacitance and resistance simulator, Renesas customers can test several virtual prototypes from

their own Gerber files in just a few minutes. This saves potential months of prototyping by easily optimizing the layout for noise immunity and water resistance."



Cyberon Corporation is a leading embedded speech solution provider and supported by experts experienced in Speech Recognition and Text-to-Speech technologies.

"We are thrilled to work with Renesas and their new RA MCU Family. Combining Renesas RA MCUs and Cyberon's speech solution allows us to explore more markets and provide users a convenient, natural and reliable user experience," said Alex Liou, Vice President of Cyberon Corporation. Cyberon's speech recognition SDK is widely adopted on a range of applications. The SDK provides local speech recognition without a network connection and its low resource requirements makes it ideal for simple devices.



Cypherbridge Systems delivers secure IoT solutions from concept to production for device platforms and up to the cloud.

"We are excited to announce our expanded partnership with Renesas," commented Steve DeLaney of Cypherbridge Systems. "The RA MCUs bring new mid-range IoT solutions to market, with competitive value points and a long-term roadmap. The Renesas RA Family and Flexible Software Package (FSP) has everything needed to securely go to cloud, enabling new business value and services that accelerate time-to-solution. Integrating the Cypherbridge SDKPac and uLoadXL secure boot loader solutions with the RA FSP platform delivers a family of SDKs and Toolkits tailored to meet a wide range of IoT applications."



GT&T, visibility at your touch.

GT&T is a turnkey solutions provider with hardware and software development capabilities for public transit, telematics, waste collection and event management, along with a portfolio of ERP, mobile, telemetry and sensor solutions.

"GTT is delighted to offer the Fleet Tracker blueprint based on the Renesas RA Family. The Renesas RA MCUs along with accompanying support from various Renesas technologies and a broad distributor network enabled the speedy time-to-market development of the Fleet Tracker solution. Renesas' MCU leadership and technology expertise allows customers to develop a customized end-to-end product with minimal investment and risk," explains Lee Boon Peng, CTO of GT&T Engineering. "GT&T is ready to assist customers in meeting their specific needs and realize their product roadmap."



RELOC provides a full spectrum of engineering services to build a connected world today filled with cutting-edge and robust IoT consumer products and secure industrial M2M applications.

"The design of secure and robust IoT products call for versatile MCU devices and production-ready software platforms that support wireless connectivity," explains Andrea Ricci, CEO of RELOC srl. "The new Renesas RA Family of Arm Cortex-M microcontrollers leverages the Amazon FreeRTOS and middleware stacks to meet the performance and flexibility needs of IoT embedded applications. RELOC is pleased to enrich the Renesas RA offering, adding wireless connectivity to its solid technology foundation. By integrating our Wi-Fi software solutions with Renesas Flexible Software Package, we provide customers with a complete device-to-cloud reference design that significantly reduces time-to-market."



Veridify (formerly SecureRF) provides fast, small footprint, ultra-low-energy, and quantum-resistant security solutions, including authentication, secure boot, and ownership management for low-resource devices at the edge of the IoT.

"We are happy to show the power and scalability of device-level security management on the Renesas RA Family of MCUs. Our new DOME™ platform gives RA MCU users zero-touch onboarding, a lifetime blockchain pedigree for every microcontroller, in-field ownership management functions, and secure

firmware updates that are simple, cost-effective and fast,” said Louis Parks, CEO at Veridify. “We are proud to be a Renesas partner and congratulate them on the launch of the new RA Family. We look forward to continuing our collaborative work focused on delivering innovating IoT security solutions to their global customer base.”



Silex, when it must connect.

“We are thrilled that our Wi-Fi IoT module has been selected by Renesas as the trusted connectivity solution for the RA Family. Renesas has integrated the Silex SX-ULPGN-2000 driver into the RA platform to enable Wi-Fi connectivity out of the box. We are committed to working closely with Renesas by providing our secure and robust IoT connectivity and premium customer support experience to our mutual global customers moving forward,” stated Keith Sugawara, CEO and President of Silex Technology America.



Techno Mathematical Co., Ltd. (TMC)

TMC is developing and selling application systems, single function LSIs and International standard compliant sound/graphic processing hardware and software based on its own unique algorithm called DMNA.

“Our ZoomVoice software can emphasize the sound from the target direction and suppress ambient noise. By combining Renesas’ new RA Series microcontrollers with ZoomVoice, we see significant improvement in voice recognition accuracy,” said Nobuki Kajino, Sales Director at TMC. “The RA MCUs’ use of high-speed memory and peripherals plays a key role improving ZoomVoice performance.”