



WIDE RANGE OF PRODUCT AND SOLUTION

RENESAS AT A GLANCE

RENESAS ELECTRONICS CORPORATION

SOLUTION OFFERINGS

ENDPOINT INTELLIGENCE FOR A TRULY CONNECTED WORLD

To develop a safer, healthier, greener, and smarter world, our goal is to make every endpoint intelligent by offering product solutions in the automotive, industrial, IoT, and infrastructure markets.



Lean, flexible
and smart **industry**



Comfortable, safe
and healthy lifestyles
through **IoT**

Highly reliable **vehicle control**, safe and secure **autonomous driving** and Eco-friendly **electric vehicles**



Robust **infrastructure**,
enabling safety and
efficiency



BROAD PRODUCT PORTFOLIO

Microcontrollers and Microprocessors	Analog & Mixed Signal, Power Discrete	SoC, Integrated Platforms
 8/16-bit Ultra-Low Energy MCU Sensing and Motor Control	<ul style="list-style-type: none">▪ Analog Products▪ Battery Management IC▪ Clock & Timing, Digital Logic▪ Interface & Connectivity▪ Memory▪ Optoelectronics▪ Power Devices▪ RF Products▪ Sensor Products▪ Space & Harsh Environment▪ Video & Display IC▪ Wireless Power ...and more	 Automotive
 32-bit High Power Efficiency MCU Motor Control		 Factory automation
 32-bit Arm® Cortex®-M Core MCU Advanced Security, Connectivity & Flexible SW		Renesas autonomy™ Automotive
 32/64-bit Arm®-based High-End MPU Human Machine Interface, Industrial Network & Real-time Control		Renesas RZ/G Linux Industrial, HMI
 SOTB™ Process-based Energy Harvesting Embedded Controller Battery maintenance-free IoT devices		Renesas Synergy™ IoT and IIoT
 Renesas 40nm process MCU Automotive only Rich functional safety and security features		

AUTOMOTIVE

Open, innovative and trusted solutions for the future of driving

- **A leading MCU/SoC supplier**
W/W shipments reached over 1.3B units in 2018
- **Best in quality**
Extremely low failure rate down to 0.1ppm
- **Advanced process technologies**
16nm FinFET for SoC and 28nm for MCU
- **Highly valued system**
Digital processor combined with analog solutions



INDUSTRIAL, INFRA AND IoT

Switching on connections for greater human productivity, between people and homes, and between humans and our environment

- **Real-time**
embedded-Artificial Intelligence (e-AI)
- **Energy-saving breakthrough**
Silicon on Thin Buried Oxide (SOTB)
- **Innovation & differentiation**
Comprehensive and integrated platforms
- **Advanced IoT Security**
Leading MCUs based on Arm® Cortex®-M Core and Renesas RX core with complete ecosystem



[Renesas.com](https://www.renesas.com)