

Renesas Electronics America Inc.

Fact Sheet

Established

April 1, 2010 – as part of an agreement to integrate the business operations of NEC Electronics Corporation and Renesas Technology Corp.

President and CEO:
Ali Sebt

Headquarters

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Global Manufacturing

- Global production, including 40 nm process technology, at the worldwide manufacturing facilities of parent company
- Local design support

Renesas Electronics America Inc. is a premier supplier of advanced semiconductor solutions including microcontrollers, SoC solutions, and a broad range of analog and power devices, as well as LCD modules, for the Americas market.

A wholly owned subsidiary of Renesas Electronics Corporation, the world's number one supplier of microcontrollers¹, Renesas Electronics America offers advanced technology solutions for a wide range of customer applications.

A large team of technology experts – backed by an extensive network of sales engineers, sales representatives and distributors – delivers high levels of design service and support to customers. The company also offers the global manufacturing resources of its parent company.

Additionally, Renesas Electronics America is the sales and marketing channel in the Americas for industrial-type active-matrix LCD modules from NEC LCD Technologies, Ltd.

A primary aim of Renesas Electronics America is to ensure that customers have easy, rapid access to the complete system solutions they need – chips, hardware/software tools, application assistance, manufacturing – so they can quickly address market opportunities. Renesas Electronics America measures its success by its customers' success and makes customer satisfaction a number one priority.



Note: Business operations as Renesas Electronics began in April 2010 through the integration of NEC Electronics Corporation and Renesas Technology Corp. As a subsidiary of Renesas Electronics Corporation, Renesas Electronics America Inc. was formed through the integration of NEC Electronics America, Inc. and Renesas Technology America.

(1) Source: Gartner "Market Share: Semiconductor Devices, Worldwide, 2010"; March 2011

Full Capabilities and a Comprehensive Ecosystem

- > Customized solutions to meet customers' cost, performance and time-to-market requirements
- > Easy upgrades to more highly integrated next-generation designs
- > Extensive IP core portfolio
- > Leading-edge design tools and methodologies
- > Wide range of packaging options
- > Excellent access to application expertise in all areas of system design
- > Third-party development tools and middleware
- > Online forum
- > Operating systems and system integrators
- > Member/charter member in industry standardization groups

Customer Support

- > An extensive range of programs and services to deliver design and application information and other assistance customers need to rapidly and successfully meet their requirements

Products

Renesas Electronics America offers a tremendous variety of advanced semiconductor-based solutions – more than 7,000 devices encompassing the combined offerings of NEC Electronics and Renesas Technology. The devices have lead-free, RoHS-compliant packages, and a corporate 'Green Energy Initiative' is driving chip design in an eco-friendly direction.

Custom Solutions

- > SOC design solutions, including application-specific and high-speed interface cores (USB 3.0, PCI Express, serial ATA)
- > Full-service COTs with embedded DRAM
- > Gate arrays and embedded arrays
- > Standard cells

Microcontrollers

- > 8-bit and 16-bit types with on-chip flash memory and extensive peripherals (RL78, R8C/Lx, H8, H8S, M16C, 78K0, 78K0R)
- > Fast 32-bit types (RX, H8SX, V850, SuperH™ [SH-2, SH-2A])

Microprocessors

- > High-speed 32-bit types (SuperH [SH-4, SH-4A], quad-core devices)

Flat Panel Display Solutions

- > AM-LCD modules (2.7 to 23-inch)
- > LCD controller/drivers

Security ICs

- > Smart-card ICs
- > Board ID solutions

Automotive ASSPs

- > 8-/16-/32-bit microcontrollers supporting CAN, LIN and FlexRay protocols
- > Optimized peripherals and MCUs for safety, body, audio and dashboard systems
- > System LSI products for audio, connectivity and navigation systems
- > Vision processors for advanced safety systems

Communication and Consumer ASSPs

- > Advanced memory buffer (AMB)
- > Embedded DRAM buffer IC for mobile VGA graphics
- > EMMA®-based MPEG encoders, decoders and codecs for STB, DTV, DVD and handheld devices
- > USB 2.0 and USB 3.0 products

Other ASSPs and ASCPs

- > SIP and SoC solutions for diverse applications

Power Management Devices

- > General-purpose logic chips
- > General-purpose linear ICs
- > RF transceiver ICs
- > Power MOSFETs
- > PLC ICs
- > ESD protection diodes
- > Low-dropout voltage regulators
- > Power-management ICs

Memory Devices

- > TCAM
- > QDR and DDR SRAM
- > Asynchronous fast SRAM
- > Low-power SRAM
- > EEPROM
- > Low-latency DRAM
- > FIFO memory chips

System Development Tools

- > Starter/evaluation kits
- > Application development platforms
- > Integrated development environments with software tools
- > Operating systems
- > Example application software
- > Middleware
- > Emulators (low-cost on-chip debug types and full in-circuit emulators)
- > Flash programmers