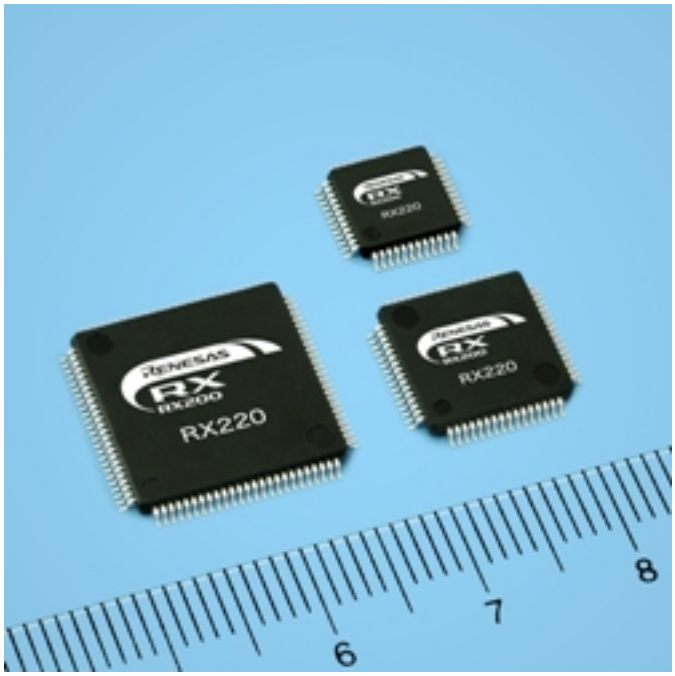
Low-Power 32-Bit Microcontroller Series



Renesas Electronics Corporation, a premier provider of advanced semiconductor solutions, today expanded its RX200 Series of low-power mid-range microcontrollers (MCUs), introducing the RX220 Group of 11 entry-level devices to provide greater scalability for embedded designers moving from 8- and 16-bit to 32-bit applications. Based on the RX CPU core, the new RX220 general-purpose MCUs offer a combination of high performance and low power consumption for cost-conscious consumer and industrial applications, including electric household appliances, smartphones and digital cameras, industrial equipment, and measuring devices.

Changing user expectations continue to drive the trend toward higher performance and enhanced functionality in electric household appliances, portable devices such as digital cameras and smartphones, and industrial equipment. In addition, for systems incorporating 16-bit MCUs, there is a need to improve processing performance, reduce power consumption, and to boost functional safety without increasing the cost substantially. There is also deep-seated demand for MCU product lineups built around the same CPU core to allow designers to scale from the low-end to high-end of the market more easily.

Renesas launched the RX Family of 32-bit MCUs with high performance and low power consumption to cover a wide range of applications. Within the RX Family, the RX200 Series supports low-voltage operation and features ultra-low power characteristics. To further address the customers' demands, Renesas has developed the RX220 Group of entry-level products that simplify the transition to the RX Family and to 32-bit MCUs.

Renesas Electronics Corporation
www.renesas.com [1]

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