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Low-power Sitara range integrates ARM Cortex-A8 processors and advanced 3D PowerVR graphics capabilities

RS Components (RS), the trading brand of [Electrocomponents plc](#) (LSE:ECM), the world's leading high service distributor of electronics and maintenance products, has announced the addition of Texas Instruments' Sitara™ range of ARM™ Cortex™-A8 based devices to its extensive portfolio of leading-edge microcontrollers.

Bridging the gap between high-end MCUs and mid-range ARM-processor-based devices, the TI range of Sitara ARM microcontrollers combines an excellent balance of integration, cost and performance and is designed to enable the creation of a wide variety of high-end, feature-rich and low-power embedded applications. The Sitara MCUs are suitable for a wide range of applications across many markets including home automation, industrial automation, networking, enterprise/educational tablets and consumer products such as portable navigation devices.

The series offers a range of performance levels and includes the Cortex-A8 based AM35x family, which offers up to 1200 DMIPS performance at 600MHz, up to the top-of-the-range 1.0GHz Cortex-A8 based AM335x family, which offers up to 2000 DMIPS. The devices also integrate high-speed DDR2 and DDR3 memory and a POWERVR™ SGX based 3D-graphics-acceleration subsystem to support display and gaming effects and for use with advanced user interfaces such as Android. The top performer in the range, the Sitara AM335x, is also used in the BeagleBone Black community-supported development platform.

The range has ample connectivity options and includes a high-performance LCD controller with optional touch interface, CAN 2.0, USB2.0 and Ethernet/IP. In addition, the family's Programmable Real-Time Unit and Industrial Communication Subsystem (PRU-ICSS) allows independent operation from the ARM processor and enables real-time protocols including EtherCAT, PROFINET, EtherNet/IP, PROFIBUS, Ethernet Powerlink and SERCOS, among others, used commonly in real-time systems in automation, for example.

The range also reduces barriers to high-end embedded design with low-cost development boards, easy access to robust software including multi-featured development tools, and a large open-source support community. Support for Linux and Android operating systems is available free of charge from TI.

The Sitara ARM Cortex-A8 based range from TI is available to order direct from stock at RS Components for same-day despatch.

Source: <http://uk.rs-online.com/web/generalDisplay.html?id=press&file=2013/23-09-arm-based-devices-from-texas-instruments>

About RS Components

RS Components and Allied Electronics are the trading brands of Electrocomponents plc, the world's leading high service distributor of electronics and maintenance products. With operations in 32 countries, we offer more than 550,000 products through the internet, catalogues and at trade counters to over one million customers, shipping around 44,000 parcels a day. Our products, sourced from 2,500 leading suppliers, include electronics, automation and control, test and measurement, electrical and mechanical components.

Electrocomponents is listed on the London Stock Exchange and in the last financial year ended 31 March 2013 had revenues of £1.24bn.

Written by Australian Business

For more information, please visit the website at uk.rs-online.com .

Further information is available via these links:

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