

## New Product Announcement

# Renesas' AE-CLOUD2 IoT Kit, Now at Mouser, Enables Rapid Development of Cloud-Connected Applications

**October 23, 2018** – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the [AE-CLOUD2](#) LTE IoT Connectivity Kit from [Renesas Electronics](http://www.renesas.com). The AE-CLOUD2 kit offers a complete hardware and software reference design, allowing developers to evaluate cellular connectivity options and quickly create low power wide area (LPWA) cellular [Internet of Things](#) (IoT) applications. With support for Cat-M1, Cat-NB1, GSM/GPRS, and GPS plus global [RF](#) certification, the AE-CLOUD2 kit offers an ideal solution to connect IoT sensors and devices to 4G LTE networks throughout the world.

The [Renesas AE-CLOUD2](#) kit, available from Mouser Electronics, features a [Synergy S5D9](#) microcontroller baseboard with an Arm® Cortex®-M4 core, 2 MBytes of Code flash, 640 KBytes of RAM, and 64 KBytes of data flash. The kit also boasts a Quectel BG96 LTE Cat M1/Cat NB1/EGPRS modem module for cellular connectivity and a Qualcomm Atheros GT202 Wi-Fi module for wireless connectivity.

The AE-CLOUD2 kit's microcontroller board features an impressive array of [sensors](#), including an environmental sensor, ambient light sensor, audio sensor, accelerometer, gyroscope, and magnetometer. Providing the tools necessary to rapidly develop and prototype IoT applications, the AE-CLOUD2 kit includes a [USB](#) device interface, [Seeed Grove](#) connector interface, [Digilent Pmod](#) interface header, and [Arduino](#)-compatible expansion headers, as well as a J-Link on-board debugging probe.

The AE-CLOUD2 kit also includes ample software to quickly and easily connect to leading cloud services. Renesas' Synergy Enterprise Cloud Toolbox Demo allows developers to connect to cloud services from Google Cloud Platform, Amazon Web Services, and Microsoft Azure. The [Medium One Prototyping Sandbox](#) is a cloud-based platform that supports the rapid development of IoT applications with a ready-to-use application programming interface (API).

To learn more, visit [www.mouser.com/renesas-synergy-ae-cloud2](http://www.mouser.com/renesas-synergy-ae-cloud2).

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### **About Mouser Electronics**

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### **About Renesas Electronics**

Renesas Electronics is a semiconductor company with an outstanding portfolio of global market-leading products. Renesas has the technology and capabilities to deliver almost everything required in an age focusing on human needs, including security technologies, miniaturization and power-saving technologies, networking, and interface technologies. Renesas aims to stay one step ahead and to be the true intelligent chip solution provider — the world leader in its field.

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Further information, contact:  
Kevin Hess, Mouser Electronics  
Senior Vice President of Marketing  
(817) 804-3833  
[Kevin.Hess@mouser.com](mailto:Kevin.Hess@mouser.com)

For press inquiries, contact:  
Kelly DeGarmo, Mouser Electronics  
Manager, Corporate Communications and Media Relations  
(817) 804-7764  
[Kelly.DeGarmo@mouser.com](mailto:Kelly.DeGarmo@mouser.com)