Redpine Signals IntroducesWireless M2M Combo Chip

WDD Staff

M2MCombo chip RS9113 offers dual-band 11abgn Wi-Fi, dual-mode Bluetooth 4.0, and ZigBee interfaces on a single die for M2M device manufacturers.

Redpine Signals, Inc. [1] (San Jose, CA) has announced the release of its RS9113 M2MCombo chip, the first of its kind in the industry. It integrates dual-band 802.11n Wi-Fi, ZigBee, and dual-mode BT 4.0 wireless connectivity, making it the ideal device for universal M2M communications applications.

The RS9113 M2MCombo chip is a fully self-contained solution, with no requirement of any part of the protocols to run on a host processor.

It is accompanied by a high level of hardware integration and saves manufacturers time and money by accelerating the product introduction through removing challenges involved in solving multiple wireless co-existence issues.

Redpine also provides a complete reference design and development environment for creating applications using the new chip, and offers an easy-to- use development kit with a USB interface.

Devices and systems use ZigBee, Wi-Fi, BT and other wired means to communicate, with gateways and hubs offering multiple protocols and providing the link between the devices and cloud systems through the internet.

As a convergence device, RS9113 maintains connections on some or all interfaces – Wi-Fi, BT 2.1+EDR, BT 3.0, BT 4.0, and ZigBee – presenting a virtual simultaneous multi-protocol connectivity, a key feature to create a device which can be deployed in legacy and new wireless environments.

For example, a gateway device implemented with RS9113 could communicate with a medical sensor with single mode BT 4.0 connectivity, a smartphone with BT 4.0/Wi-Fi, or an HVAC device with ZigBee connectivity without the need for multiple modules from various vendors.

“Our experience with thousands of customers in the growing wireless M2M space over the past decade has shown us that they need a way to hurdle the barriers of multiple protocols in order to accelerate product time to market, and therefore drive The Internet of Things market,” says Venkat Mattela, CEO of Redpine Signals.

“Our M2MCombo solution not only provides an outstanding customer value for cost but also speeds up the product lifecycle by removing challenges involved in wireless co-existence issues.”

The RS9113 is sampling now and multiple form-factor certified modules based on RS9113 will be available in the second quarter of 2013.

For more information visit http://www.redpinesignals.com/ [1] or email info@redpinesignals.com [2].

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