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STMicroelectronics Showcases Latest MoCA 2.0 Solution Streaming Ultra HD at IBC 2014

Supports multimedia-over-coaxial standard, boosting speed, power efficiency, and capacity for a multi-room Ultra-HD experience

Geneva, September 8, 2014 – STMicroelectronics (NYSE: STM), a global semiconductor leader serving customers across the spectrum of electronics applications and a leading supplier of set-top box ICs globally, is showcasing its MoCA 2.0 STiC2BB solution in action streaming 4K Ultra-HD video at IBC 2014, Hall 1, F40, September 12-16.

By implementing the latest MoCA (Multimedia over Coax Alliance) version 2.0 specifications for home-entertainment networking, ST's [STiC2BB](#) helps service providers adopt flexible client-server architectures supporting multi-room Ultra HD streaming.

The demonstration at ST's booth shows the STiC2BB MoCA 2.0 IC streaming 4K Ultra HD video seamlessly to a client device while another node on the same MoCA network completes high-speed data transfers. This impressive demo illustrates support for Prioritized Quality of Service (PQoS) as needed in client-server and cloud-based Audio/Video infrastructures. ST's MoCA 2.0 solution can be used in various scenarios, such as with an ST set-top box or gateway SoC, a third-party microprocessor, or in an Ethernet dongle.

"Our MoCA 2.0 solution supports the most advanced home-entertainment networking applications now rolling out in high-end markets, and builds on the proven track record of our successful MoCA 1.0 and MoCA 1.1 solutions as well as our position as a contributor member of the MoCA alliance since its inception in 2006," said Hervé Mathieu, Box and Gateways Business Line Director, Unified Platform Division, STMicroelectronics.

Further Technical Information:

MoCA 2.0 standard supports throughput of 400Mbps in single-channel Baseline performance mode, with a Turbo mode that increases throughput to over 500Mbps. ST's STiC2BB provides full support for these modes, including the addition of bonding that supports 800 Mbps throughput in an Enhanced mode and 1Gbps

throughput in Turbo mode. With the support of a packet loss rate lower than 1×10^{-8} and with the possible latency reaching 2.4msec on average for low latency flows, MoCA 2.0 also improves both video delivery and gaming experience, simultaneously.

In addition, enhanced power management in the STiC2BB introduces a reduced-power standby mode with wake-on-MoCA capability for fast response. Per MoCA2.0 standard specifications, there are also a minimum-power sleep mode and a network-level standby mode that reduces power for all nodes.

ST's MoCA 2.0 solution allows up to 16 nodes per network while supporting mixed-mode operation for backwards compatibility with MoCA 1.0 and MoCA 1.1 devices.

The STiC2BB connects to a LAN or to a host such as an ST Alicante/STiD128 DOCSIS® 3.0 gateway or a Monaco/STiH412 UHD set-top box System-on-Chip via a Reduced Gigabit Media-Independent Interface (RGMI).

The STiC2BB has bonded-channel capability and supports the expanded operating-frequency range of 500MHz to 1650MHz specified for MoCA 2.0, which allows coexistence of larger numbers of MoCA channels with provider services.

Samples and software product development kit of the STiC2BB are available now. Please contact your ST sales office for pricing options and sample requests.

For more information please go to www.st.com/stic2bb

About STMicroelectronics

ST is a global leader in the semiconductor market serving customers across the spectrum of sense and power and automotive products and embedded processing solutions. From energy management and savings to trust and data security, from healthcare and wellness to smart consumer devices, in the home, car and office, at work and at play, ST is found everywhere microelectronics make a positive and innovative contribution to people's life. By getting more from technology to get more from life, ST stands for life.augmented.

In 2013, the Company's net revenues were \$8.08 billion. Further information on ST can be found at www.st.com.

For Press Information Contact:

STMicroelectronics

Michael Markowitz

Director Technical Media Relations

+1 781 591 0354

michael.markowitz@st.com