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Intel Delivers Solutions for Improved In-Home Entertainment Content Delivery through the Cloud

Multi-Gigabit Broadband and 4K Visual Cloud Solutions Increase Speed and Quality for Content Providers

AMSTERDAM, Sept. 10, 2015 – Intel Corporation unveiled a range of products designed to improve the delivery and quality of entertainment content available in-home via the cloud.

Today's on-demand, cloud-delivered media consumption model is driving people to demand faster broadband speeds and better WiFi home networking solutions. To enable anytime, anywhere media consumption and keep up with skyrocketing broadband speeds and rapid data center growth, the industry must move to an all-IP infrastructure. Intel solutions are helping content delivery providers make the leap to an all IP world with high-performance, power efficient solutions in the data center, the network and the home.

The new products include the Intel® Visual Compute Accelerator for Intel® Xeon® processor-based servers, the Intel® Puma™ 7 SoC for cable home gateways, and the Intel® AnyWAN™ GRX550 for xDSL and Fiber home gateways. Demonstrations of these solutions and more are on display at Intel's IBC booth in Amsterdam, Hall 4.B72.

News Facts

- The [Intel Visual Compute Accelerator](#) (Intel® VCA) brings media and graphics capabilities into Intel Xeon processor E5-based servers for low-power, high-density, scalable solutions that address the needs of telecom, streaming media, and SP/CSP for growth, quality delivery and diversified services. Intel VCA can also be paired with the recently announced [Intel® Media Server Studio 2016](#) for fast media transcoding. With this solution, content delivery providers can simplify and reduce design and development costs while providing a significant improvement in streaming density[1].
- [The Intel Puma 7 SoC](#) will enable cable operators to deploy true multi-gigabit broadband services with the latest DOCSIS 3.1 technology, thus increasing broadband speeds to up to 5 gigabits per second. Puma 7 is built on Intel's latest 14nm process technology and brings scalable x86 technology architectural innovations to the home gateway market. The platform also supports industry leading 4x4 11ac WiFi solutions, providing fast home networking to enable 4K media distribution.
- The new [Intel AnyWAN GRX550](#) network processor enables cutting-edge quality of service, premium user experience, and unparalleled routing and data throughput. The GRX550 can support any kind of WAN technology including DSL, G.fast, Fiber or Gigabit Ethernet. It is also highly optimized to work flawlessly with the Intel® XWAY™ WAV500 11ac WiFi chip, providing gigabit home networking reach and robustness. GRX550 fully offloads Wi-Fi, routing and QoS, and supports advanced features including DPI and analytics.

Supporting Quotes

"The Intel® Visual Compute Accelerator will deliver high quality video with improved performance and cost per transcode channel to enable real-time off line transcoding with CAPEX and OPEX savings for content providers," said Albert Diaz, vice president and general manager of product collaboration and systems division in Intel's Data Center Group. "By bringing 4K media processing capabilities to the Intel® Xeon processor E5 platform, customers will be able to efficiently deploy high quality media processing solutions in the cloud."

"We are continually evolving our advanced HFC network to ensure that our customers have the best, fastest high-speed Internet service available. DOCSIS 3.1 is a pillar of that evolution and fundamental to our plan to offer new gigabit speed tiers to our customers," said Tony Werner, Executive Vice President and Chief Technology Officer at Comcast. "We are excited about Intel's use of its latest generation 14nm process technology to drive better energy efficiency and enable compelling new form factors for cable broadband gateways."

"We're excited to see Intel investing in gateway and communications technologies for the home," said Charles Cheevers, CPE CTO, ARRIS. "Intel's drive to improve performance will allow innovations in new areas like IoT and other services, while bringing the power efficiency of its 14nm process technology for the first time to the comms sector."

About Intel
Intel (NASDAQ: INTC) is a world leader in computing innovation. The company designs and builds the essential technologies that serve as the foundation for the world's computing devices. As a leader in corporate responsibility and sustainability, Intel also manufactures the world's first commercially available "conflict-free" microprocessors. Additional information about Intel is available at newsroom.intel.com and blogs.intel.com and about Intel's conflict-free efforts at conflictfree.intel.com.

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1 Cost reduction scenarios described are intended as examples of how a given Intel- based product, in the specified circumstances and configurations, may affect future costs and provide cost savings. Circumstances will vary. Intel does not guarantee any costs or cost reduction.