

Marvell Raises The Bar For High Performance And Secure Smart TV Experience With Newly Launched Quad-Core ARMADA 1500 PRO Platform

Latest addition to the award-winning ARMADA 1500 family, the new innovative ARMADA 1500 PRO processor features quad-core ARM CPU, sophisticated security engine and advanced graphics processor optimized for Google services for Smart TV

SANTA CLARA, Calif. and LAS VEGAS, Jan. 7, 2014 /PRNewswire/ -- Quadrupling the performance on its award-winning system-on-chip (SoC) platform family, [Marvell](http://investor.marvell.com) (NASDAQ: MRVL) today unveiled the ARMADA® 1500 PRO (88DE3114) a quad-core platform optimized to support Google services for Smart TV and complete IP-hybrid service security from Verimatrix. The ARMADA 1500 PRO is a high performing multi-core ARM CPU platform that is powering a highly immersive, innovative, and secure High Definition digital experience in the consumer's living room and across multiple screens. The powerful ARMADA 1500 PRO with a sophisticated security engine, up to 12K DMIPs applications processor, and a 38GFLOP graphics processor creates new business models for Smart TV and set-top box implementations, driving the convergence of digital entertainment and gaming applications and paving the way for the next-generation of Smart Home devices.

(Photo: <http://photos.prnewswire.com/prnh/20140107/SF41732>)

(Logo: https://investor.marvell.com/image/Marvell_logo.jpg)

"2013 was an exciting and big year for the success of Google services for Smart TV. The successful launch of Google Chromecast is a perfect example. I am extremely proud of the innovation and collaboration among Google, Marvell and our ecosystem partners in bringing those creative and game-changing Smart products to the market," said Weili Dai, President and Co-Founder of Marvell. "I believe the new quad-core ARMADA 1500 PRO raises the bar yet again in delivering innovative Smart TV experiences with high performance, robust security and advanced graphics. It is our mission to continue our leadership and collaboration with our partners in enabling the Connected Digital Lifestyle for the masses globally."

"As the specialist in security for the new generation of hybrid broadcast and IP video operators, Verimatrix welcomes the partnership with Marvell and Google to provide a complete VCAS security solution for this platform," said Petr Peterka, CTO of Verimatrix. "The Marvell ARMADA 1500 PRO SoC provides an ideal foundation for a sophisticated Smart TV experience, which combines the resources to power compelling TV services and advanced cardless security features that underpin Verimatrix revenue security implementations for those services."

Marvell's ARMADA 1500 PRO SoC enables new rich media TV applications and Google services for Smart TVs powered by a quad-core ARM Cortex A9 CPU. With a multi-core 1.2 Gigapixel GPU based on Vivante GC4000, the ARMADA 1500 PRO enables support for high quality 3D gaming that will support new gaming business models and also provides the ultimate graphical user interface (GUI) for a compelling User Experience (UX). The award-winning Qdeo® video processing for state-of-the-art HD and 3D video consistently delivers high-quality 1080p60 video for an immersive entertainment experience, while real-time encode/decode capabilities power multi-screen and video calling applications. Additionally, the ARMADA 1500 PRO is targeting service providers worldwide, who require high performance media and application processing in a highly secure fashion, to run new revenue generating services for their consumers. ARMADA 1500 PRO's overall security architecture including secure boot, Trusted Rendering Path, and full Trustzone means operators can bring together the best OTT + PayTV experience with a high level of content protection. Additionally, multiple (4) TS input support, enables operators to offer hybrid services combining compelling IP content along with traditional broadcast TV.

The ARMADA 1500 PRO includes Google services for Smart TV reference designs for both TVs and set-top boxes. It includes full integration and a complete SDK for rapid deployment of combined Pay TV and Android-based over-the-top services. It offers complete platforms with multiple connectivity options, including Marvell's Wi-Fi (2x2 11ac) and powerline technologies. A complete set of peripherals include SATA, SDIO, USB for operator/consumer apps such as DVR and 10/100/1000 Ethernet MAC with RGMII interface for robust IP connectivity.

Marvell will showcase its innovative Digital Connected Lifestyle solutions at Murano Rooms 3304-3306, level 3, located at the Venetian Congress Center, during CES, January 7-10 in Las Vegas.

About Marvell

Marvell (NASDAQ: MRVL) is a global leader in providing complete silicon solutions enabling the digital connected

lifestyle. From mobile communications to storage, cloud infrastructure, digital entertainment and in-home content delivery, Marvell's diverse product portfolio aligns complete platform designs with industry-leading performance, security, reliability and efficiency. At the core of the world's most powerful consumer, network and enterprise systems, Marvell empowers partners and their customers to always stand at the forefront of innovation, performance and mass appeal. By providing people around the world with mobility and ease of access to services adding value to their social, private and work lives, Marvell is committed to enhancing the human experience.

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