

## Marvell Expands Its 32-Bit And 64-Bit ARMADA SoC Family Of Embedded Processors With Robust Ecosystem Of Software Solutions And Partners For A Variety Of Applications

**Marvell strengthens its leadership commitment with support of fully integrated, comprehensive software offering and hardware platform solutions for the industry-leading 32-bit and 64-bit ARMADA SoC family of embedded processors**

SANTA CLARA, Calif. and NUREMBERG, Germany, Feb. 23, 2016 /PRNewswire/ -- [Marvell](#) (NASDAQ:MRVL), a world leader in storage, cloud infrastructure, Internet of Things (IoT), connectivity and multimedia semiconductor solutions, today announced the 32-bit and 64-bit ARMADA<sup>®</sup> system-on-chip (SoC) ecosystem of software solutions and [partners](#) for a variety of applications. Marvell's expanded, rich ecosystem brings strong support and commitment to the open source community with software offerings including mainline Linux kernel and mainline U-Boot on publicly available community hardware platforms. Marvell's expansion of its 32-bit and 64-bit ARMADA SoC software ecosystem with OpenDataPlane (ODP), OpenFastPath (OFP), UEFI, openSUSE, SUSE Linux Enterprise, Yocto Project, OpenWrt and carrier grade operating systems demonstrates Marvell's commitment to supporting its customers' requirements to bring new products to market faster.

"The 32-bit and 64-bit ARMADA SoC family, paired with our full-featured software offering and integration with publicly available hardware platforms, is designed to enable the quick development of a variety of wired and wireless networking solutions. Our customers can already leverage the ARMADA SoC ecosystem on Marvell's proven ARMADA 38x family, and will benefit from the expanded ecosystem of our 64-bit ARM<sup>®</sup>v8 powered ARMADA 3700 Cortex<sup>®</sup>-A53 device family and ARMADA 7K and ARMADA 8K Cortex-A72 device families based on our MoChi<sup>™</sup> and FLC<sup>™</sup> architecture," said Michael Zimmerman, Vice President and General Manager of Connectivity, Storage and Infrastructure at Marvell Semiconductor, Inc. "We are excited to work with our network of global partners to provide a choice of trusted complementary products, and open source and community solutions to enable the development of sophisticated high-volume home and enterprise applications."

Based on high-performance and highly-scalable multi-core CPU technology, the ARMADA SoC family delivers a new level of performance, integration and efficiency to high-volume enterprise applications including control plane CPUs, IP appliances, storage edge, routers, security appliances, small and medium-sized enterprise (SME) routers, network attached storage (NAS), home gateways, IoT hubs, wireless routers, Wi-Fi access points (WAP), surveillance video recorders and high-performance networking products. The 64-bit ARMv8 powered ARMADA 3700 Cortex-A53 device family and ARMADA 7K and ARMADA 8K Cortex-A72 device families based on MoChi and FLC architecture provide a new level of performance and power optimized devices. Marvell's ARMADA SoC family is complemented by [several software and hardware partners](#) including Aricent, Avnet Memec - Silica, DENX, Enea, Free Electrons, Globalscale Technologies, Lauterbach, Media5, MontaVista, O.S. Systems, Sartura, Semihalf, SolidRun, StreamUnlimited, SUSE, Timesys, Trend Micro, Volansys and Wind River.

Marvell offers in-house software solutions for enhancing and optimizing the performance of the ARMADA SoC family of embedded processors per target applications. The Marvell Accelerated Data Path (ADP) solution is targeted at home gateways and WAPs and is designed to significantly improve CPU utilization, which is necessary to support the rapidly increasing demand for high throughput. In addition, the Marvell Media Processing Engine (MMP) is designed to enable VoIP applications through integration with the open source Asterisk solution and integration with M5T SIP Client Engine SDK from Media5 Corporation; M5T SIP Client Engine SDK is now available for the ARMADA 38x SoC family.

"Media5 Corporation is honored to collaborate with Marvell. M5T SIP solutions have proven their interoperability in SIP and IMS based environments such as VoLTE, RCS and PacketCable," said Stephane Ross, Product Line Manager at Media5 Corporation.

"We are pleased to show Marvell's ARMADA 38x SoC family enabled by Avnet Memec - Silica EMEA Yocto 2.0 layer at embedded world 2016," said Mario Orlandi, President Avnet Memec - Silica EMEA. "Avnet has had a long-lasting successful collaboration working with Marvell and witnessing first-hand the company's commitment to helping customers quickly create and deliver premier products to market. We look forward to continuing our close collaboration with Marvell to provide customers with world-class design engineering services and resources to support the development of innovative, high-performance products and solutions."

**Key features of Marvell's ARMADA SoC family of embedded processors that can be leveraged on the ARMADA 38x family:**

ARMADA 38x family robust software offering includes:

- Marvell Linux SDK
- Marvell ADP software stack
- Marvell MMP software stack
- Marvell In-House JTAG debugger
- Lauterbach JTAG debugger
- Community open source software that includes mainline Linux kernel, mainline U-Boot, OpenWrt and FreeBSD
- Available open source software that includes OpenWrt 14.07 and Yocto 1.6 (<https://github.com/MarvellEmbeddedProcessors>)
- openSUSE
- Carrier Grade operating systems that include MontaVista CGE7 Linux and Wind River Linux
- Commercial Linux solutions that include O.S. Systems Embedded Linux and TimeSys LinuxLink
- Third party software stacks that include Aricent IoT Gateway, Media5 M5T SIP Client Engine SDK, Sartura CPE management solutions, StreamUnlimited Stream SDK and Trend Micro Smart Home Network Solution
- Google Brillo

ARMADA 38x family publicly available hardware platforms include:

- Globalscale ARMADA 38x PrimaBox (<https://www.globalscaletechnologies.com/p-66-primabox.aspx>)
- SolidRun ARMADA 38x ClearFog (<http://solid-run.com/marvell-armada-family/clearfog/>)
- Marvell Andromeda Box™ Connect (<http://andromedabox.org/>)

The Marvell ARMADA 38x family's rich ecosystem is being showcased in the Avnet Memec – Silica booth (Hall 1, Booth No. 370) at embedded world 2016, Feb. 23–25 in Nuremberg, Germany.

For more information about the ARMADA SoC Family of Embedded Processors ecosystem of partners, please visit <http://www.marvell.com/embedded-processors/partners/>. For more information about the Marvell ARMADA SoC Family of Embedded Processors, please visit: <http://www.marvell.com/embedded-processors/>.

### About Marvell

Marvell (NASDAQ: MRVL) is a global leader in providing complete silicon solutions and Kinoma® software enabling the "Smart Life and Smart Lifestyle." From storage to cloud infrastructure, Internet of Things (IoT), connectivity and multimedia, 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, personal and work lives, Marvell is committed to enhancing the human experience.

For more information, please visit [www.Marvell.com](http://www.Marvell.com).

Marvell, the M logo, ARMADA and Kinoma are registered trademarks of Marvell and/or its affiliates. Andromeda Box, FLC and MoChi are trademarks of Marvell and/or its affiliates. Other names and brands may be claimed as the property of others.

### For Further Information Contact:

#### Marvell Media Relations

**Sue Kim**

**Director, Corporate Communications & PR**

**408.222.1942**

[suekim@marvell.com](mailto:suekim@marvell.com)

Logo - [https://investor.marvell.com/image/Marvell\\_logo.jpg](https://investor.marvell.com/image/Marvell_logo.jpg)

To view the original version on PR Newswire, visit: <http://www.prnewswire.com/news-releases/marvell-expands-its-32-bit-and-64-bit-armada-soc-family-of-embedded-processors-with-robust-ecosystem-of-software-solutions-and-partners-for-a-variety-of-applications-300224307.html>

SOURCE Marvell

<https://investor.marvell.com/2016-02-23-Marvell-Expands-Its-32-bit-and-64-bit-ARMADA-SoC-Family-of-Embedded-Processors-with-Robust-Ecosystem-of-Software-Solutions-and-Partners-for-a-Variety-of-Applications>