



Featured Quotes from i.MX Ecosystem Partners

The i.MX51 processor family is supported by an exceptionally deep ecosystem of enablement solutions from Freescale and third party partners. In addition to development technologies available from Freescale, the i.MX51 family is also distinguished by tools, middleware and application support. See what our partners are saying about the i.MX51 applications processors.

Adeneo Embedded: "Adeneo Embedded is very excited about the launch of the i.MX51, and proud to collaborate with Freescale on the development, support and maintenance of Windows Embedded CE and Embedded Linux Reference BSPs for the whole i.MX portfolio, from ARM9 to Cortex-A8 based architectures", said Yannick Chamings, CEO of Adeneo Embedded. "Through its complete set of Training, Support and System Integration services around Windows Embedded and Embedded Linux, Adeneo Embedded looks forward to helping OEMs integrate the powerful i.MX51 processor into their design."

AllGo Embedded Systems: "The i.MX515 processor with its high performance ARM Cortex-A8 core, HD Video and advanced graphics support, provide an excellent platform for developing consumer multimedia and computing intensive products," said K. Srinivasan, CEO of AllGo Embedded Systems. "AllGo is already engaged with OEMs supporting Freescale's i.MX515 based product development. With our knowledge and experience of the i.MX515 platform and our commitment to support multiple embedded middleware options including Android, Linux and WinCE, our product engineering team is excited to work with potential customers planning to use i.MX515 in their products with advanced multimedia, graphics and HMI feature set."

ARM: "The extension of the Freescale i.MX51 family of multimedia application processors offers system designers a range of highly integrated Cortex-A8 processor-based SoC solutions for automotive, industrial and consumer applications," said Eric Schorn, vice president of marketing for Processor Division ARM. "With these new ARM Cortex processor-based products, customers will be able to choose an optimized platform with high-performance processing and multimedia capabilities, within a low power consumption envelope and at an integration level that will drive the creation of innovative new end devices."

Bsquare: "Bsquare is pleased to provide Adobe Flash support for Freescale's i.MX51 family of applications processors which are ideal for the emerging ARM based smartbook category as well as for the growing market for infotainment and in-vehicle systems," said Larry Stapleton, vice president of global sales for Bsquare Corporation. "Now, OEMs can accelerate their time to market using Bsquare's Adobe Flash players on i.MX51 for Windows CE, Linux and Android."

Bluetechnix: "Bluetechnix is proud to present its highly integrated Single-Board Computer, SBC-i.MX51, based on the announced i.MX51 processors from Freescale. "Our complete solution consisting of hardware/software development and support services enables customers to rapidly develop their applications at an astonishingly low



price," said Gregor Novak, CEO of Bluetechnix. "The SBC-i.MX51 board offers an exciting solution for powerful multimedia applications and is also qualified for industrial automation control systems."

Canonical: "Freescale was the first ARM SoC partner to join Canonical's ARM program. Freescale and Canonical have worked to enable Ubuntu, the world's most popular consumer Linux operating system, on the i.MX51," said Mike Kress, director of ARM Partner Alliances, Canonical. "Ubuntu 9.04 and Ubuntu 9.10 are both enabled on the i.MX51 platform, allowing OEMs to ship a world class operating system on low-cost, consumer-centric devices and the opportunity to engage with the rapidly growing Ubuntu ecosystem."

CodeSourcery: "CodeSourcery is proud that Sourcery G++ has been selected by Freescale as a key part of its tools strategy for the i.MX51 family," said Mark Mitchell, chief sourcerer of CodeSourcery. "Sourcery G++ contains features needed by professional C and C++ i.MX51 developers, including compiler and library optimizations for the ARM Cortex-A8 core (including NEON), a GNU/Linux prelinker and library optimizer, and an ARMv7-A instruction set simulator for easy experimentation on the desktop."

Digi International: "Freescale's i.MX51 application processors deliver high performance, power efficient technology to enable new innovations," said Larry Kraft, senior vice president of global sales and marketing, Digi International. "We offer the industry's first wireless enabled core module based on this processor. It is integrated into our ConnectCore™ Wi-MX51 module designed specifically for wireless multimedia applications with low power requirements. The ConnectCore Wi-MX51 provides the industry's fastest development path for high performance wireless multimedia devices."

Elektrobit: "The Freescale i.MX51 hardware platform allows us to design high performance demo applications that are capable of running next-generation navigation features, such as satellite imagery on top of digital terrain models, textured city models and shaders to simulate surface reactions like water reflections," said Alexander Asner, product manager for Elektrobit.

Elektrobit: "Our HMI development solution, EB GUIDE Graphics Target Framework (GTF), enables advanced graphics on Freescale hardware. The i.MX51 processor family will be used as a reference platform for the EB GUIDE GTF currently using a Linux operating system. This will allow customers to jump-start their HMI development and benefit from the OpenGL-ES acceleration provided by the Freescale hardware and the EB GUIDE solution," said Thomas Fleischmann, product manager, EB GUIDE at Elektrobit.

Eukréa: "With the new i.MX51 processor, Freescale adds the Cortex-A8's computing power to an incredible set of peripherals with minimal power consumption," said Eric Bénard, CTO, Eukréa Electromatique. "This gives us a great opportunity to increase the experience level of our customers' embedded platforms. Eukréa's i.MX51 based system on a module allows customers to reduce their time to market by offering an easy-to-



integrate, powerful, and full featured core for their new products. Eukréa also offers custom hardware and embedded Linux development services.”

Genesi: "We are excited to be entering a new high growth market that capitalizes on our system integration skills and our www.cloudcity.me offering," said Dave Mothersole, chief technology officer of Genesi USA. "With the i.MX51 at the core, we are bringing a broad range of communication and computing technologies into a series of easy-to-use, consumer-friendly devices."

Green Hills: "The Freescale i.MX51 application processors provide an impressive combination of multimedia and security features, including advanced graphics and ARM® TrustZone™ virtualization," said David Kleidermacher, chief technology officer, Green Hills Software. "Green Hills' INTEGRITY hypervisor and TrustZone solutions for the i.MX51 enable the creation of sophisticated, green, cost-effective, and totally secure consumer and automotive infotainment systems."

ICyecture: "We are thrilled to be part of the launch of the i.MX51, which will offer exceptional possibilities to our customers looking for a powerful multimedia and graphics engine," said Boris Bobrov, president, ICyecture. "Our i.MX51 Starter Board will offer a flexible development environment and reference platform. With a high level of integration on the board, our ready-to-ship i.MX51 form-factor, industrial-grade CPU/SOM module will help Freescale's customers to get their product to market faster. The i.MX51 Starter Board will be available in Q4 2009 on our website."

Ka-Ro: "Targeting the smallest form factors, Ka-Ro's Computer-on-Module series' market niche is where high-end integrators achieve their technological leadership. They require the highest flexibility and the fastest time-to-market and continually need new solutions for their mobile analysis tools, their spectrometers, end-of-line testers and information desks. Like no other competitor's product, Freescale's latest processor, the i.MX51, serves this segment ideally," said Ekkehard Meurers, CFO of Ka-Ro. "Its OpenGL®-ES 2.0 and OpenVG™ accelerators, as well as multi-format HD 720p video decoder and D1 video encoder hardware engine, make it the winner in all low power, high performance applications."

Mentor Graphics: "Freescale and Mentor have worked closely together on optimizing the Nucleus Graphics technology for the new i.MX51 processor family," said Glenn Perry, general manager of Mentor Graphics embedded systems division. "Mentor's Nucleus Graphics product is OS-agnostic and provides support for Linux, Android and other commercial operating systems. This helps make the Freescale and Mentor integrated solution ideal for developing visually exciting products for the automotive, consumer, medical and industrial application markets served by this new device family."

MontaVista: "The combination of the Freescale i.MX51 processor and MontaVista Linux 6 provides a high value, commercial quality solution for developers," said Scott Mullarkey, vice president of worldwide business development, MontaVista Software. "Feature compatible with Linux, the i.MX51 Market Specific Distribution (MSD) features additional functionality such as advanced 2D/3D graphic and codec enablement, CAN



Stack, and Bluetooth and Wi-Fi utilities to support the powerful multimedia capabilities of the i.MX51.”

QNX Software Systems: “Freescale extends its leadership in the automotive and industrial markets by delivering the highly integrated and powerful i.MX51 applications processor,” said Romain Saha, business development manager at QNX Software Systems. “The i.MX51 incorporates dedicated OpenVG and OpenGL ES hardware acceleration that is vital for popular customer requirements like Adobe Flash. In combination with the QNX Aviage Middleware, customers can easily develop rich multimedia products with highly advanced Human Machine Interfaces imperative to the automotive infotainment space.”

Trinity Convergence: “The connected device market continues to evolve, but remains consistent in its demand for rich multimedia playback and communications functionality. The i.MX51 applications processor is well positioned to deliver on all fronts -- from music, movies and YouTube playback to two-way communications including instant messaging and video chat,” said David Brown, CTO of Trinity Convergence. “We’re actively porting our VeriCall Edge® multimedia software to the i.MX51 in order to offer device manufacturers a comprehensive solution that helps them deliver the next wave of innovative devices faster than ever before.”

T.W.S.: “Designing navigation products requires accurate computing with expected rendering on the LCD at lower power consumption. The i.MX51 family provides those cumulative capabilities due to its support of the 800MHz and Graphic hardware acceleration. The 3D Graphic embedded hardware engine in the i.MX51 allows T.W.S. to obtain very good performance, while also running large size displays in intensive graphic applications to meet Marine market requirements. The specific power consumption methodology that Freescale applies on the i.MX51 drove T.W.S. to become extremely competitive and positioned T.W.S. as a leader in our segment,” said Dulio Lagomarsini, research and development manager at T.W.S. Srl. “T.W.S. is proud to have worked closely with Freescale on the i.MX51. Their technical support allows T.W.S. to reduce cycle time,” Lagomarsini added.

WindRiver: “Wind River will support Freescale’s newest i.MX51 family across its market-leading embedded software portfolio, including VxWorks, Wind River Linux and Wind River Workbench On-Chip Debugging,” said Tomas Evensen, chief technology officer, Wind River. “As a long-standing and strategic Freescale partner, Wind River is committed to helping our common customers develop differentiated ARM-based products for a variety of high-growth markets.”