



Press Contact

Marketing@VersaLogic.com
(503) 747-2261

FOR IMMEDIATE RELEASE

VersaLogic launches ultra-small embedded computer

Tualatin, OR — May 4, 2015 — VersaLogic Corp., the embedded industry's most trusted computer company, has announced Hawk – an extremely small, rugged, embedded computer. This next generation of the VersaLogic Embedded Processing Unit (EPU) format combines processor, memory, video, and system I/O into an extremely compact full function embedded computer. The computer has a footprint the size of a credit card!

The Hawk was engineered to meet the military, avionic, and medical industries' evolving requirements for smaller, lighter, and more powerful embedded systems. Roughly the size of a credit card and less than one inch thick, the Hawk is a highly-integrated embedded computer. It combines the new 4th generation Intel® Atom™ “Bay Trail” processor, with system interfaces, in a form factor designed to withstand extreme temperature, impact, and vibration.

Hawk is available in single-, dual-, and quad-core models. The quad-core model delivers more than 5X the performance of previous generation products, with an 18% reduction in power consumption. The single-core version provides over 2X the performance of the previous generation product, while providing a 25% reduction in power.

“We are excited to offer next-generation performance in our tiny EPU format. The ability to choose a single-, dual-, or quad-core version allows our customers to exactly match the CPU performance and power to their application needs,” said Gary Harris, VersaLogic's Director of Technology. “The single-core is suitable for lower power systems, while the quad-core is ideal for UAV video applications where higher performance and light weight are important.”

The Hawk features an Intel Atom E3800 processor optimized for performance and power balance. It provides compatibility with a broad range of x86 application development tools for reduced cost and development time.

Powerful Video Processing

Intel's advanced Gen 7 HD graphics engine provides outstanding graphics performance and is capable of supporting two simultaneous 1080p video streams. On-board hardware acceleration is available for encode/decode of H.264, MVC, VP8, VC1/WMV9, and other standards. The graphics engine also supports DirectX 11, Open GL 4.0, full HD video playback, dual display support, and resolution up to 2560 x 1600 @ 60Hz. Hawk supports a single-channel LVDS display output.

High Performance I/O Capabilities

Hawk's I/O connectivity includes a Gigabit Ethernet port with network boot capability, four USB 2.0 ports, two serial ports, and Intel High-Definition Audio (HDA). A SATA 3 Gbits/s interface supports high-capacity rotating or solid-state drives. A Mini PCIe socket with mSATA, a microSD socket, and on-board eMMC (on some models) provide flexible solid-state drive (SSD) options. Systems can be enhanced by leveraging the Mini PCIe socket with plug-in Wi-Fi modems, GPS receivers, MIL-STD-1553, Ethernet, Firewire, and other mini cards.

– MORE –



Press Contact

Marketing@VersaLogic.com
(503) 747-2261

Designed, Manufactured and Tested for Extreme Environments

Designed and tested for industrial temperature (-40° to +85°C) operation, the Hawk also meets MIL-STD-202G specs for impact and vibration. Soldered-on RAM and fanless thermal solutions provide additional ruggedization for use in harsh environments.

The Hawk's wide input voltage range (8 to 17 volts) simplifies system power supply requirements. It is fully compatible with typical automotive (nominal 12V) power systems.

Long-term Availability

The Hawk is covered by VersaLogic's 5-year product warranty and 5+ year availability guarantee. VersaLogic's Life Extension program typically keeps each technology generation available for 10+ years. Customization services to help customers create unique solutions are available for the Hawk, even in low OEM quantities. Customization options include conformal coating, revision locks, custom labeling, customized testing and screening, and more.

Pricing and Availability

The Hawk will be available from stock starting June of 2015. OEM quantity pricing starts at \$709 for the single-core model with 2 GB RAM. Contact Sales@VersaLogic.com or visit www.VersaLogic.com or www.Digikey.com for more information.

About VersaLogic Corporation

VersaLogic Corp. built its reputation on very high reliability products and superior service. A 35-year history of consistency has earned VersaLogic the reputation of being the industry's most trusted embedded computer company. VersaLogic delivers state-of-the-art embedded computers, coupled with expert technical support, for critical markets such as the medical and defense industries. For more information, visit www.VersaLogic.com.

Press Release Photos

High resolution: http://versalogic.com/images/PR_EPU-3310_HI.jpg

Low resolution: http://versalogic.com/images/PR_EPU-3310_LO.jpg

###