

**FOR IMMEDIATE RELEASE**

## **New PC/104-Plus computer features Intel “Kaby Lake” processor**

Tualatin, OR—May 9, 2017—VersaLogic Corp., the embedded industry’s most trusted computer company, has announced “Liger”—a rugged new PC/104-Plus™ Single Board Computer (SBC). Based on Intel’s new high performance “Kaby Lake” processor, Liger combines high processing and video performance, moderate power consumption (12-14W typ.), hardware-level security, and backwards compatibility with systems using PC/104-Plus ISA or PCI expansion!

It includes an extensive set of features including the compact 4.3 x 3.8” (108 x 96 mm) PC/104 footprint, and on-board TPM (Trusted Platform Module) security chip.

The Liger’s powerful CPU and video processing capability, combined with a relatively moderate power draw and standard PC/104-Plus expansion, will enable high performance systems that are smaller, lighter, and more energy efficient. This powerful SBC is ideally suited for compute-intensive high-end applications such as flight navigation, guidance systems, and medical scanning / imaging.

The dual-core Liger is available in Core i3, Core i5, and Core i7 processor options to meet a variety of price / performance / application requirements. The Liger provides compatibility with a broad range of x86 application development tools for reduced cost and development time.

### **Built-In Security**

The Liger’s on-board Trusted Platform Module (TPM) security chip can lock out unauthorized hardware and software access. It provides a secure processing environment for applications in defense, medical, and industrial applications that require hardware-level security functions. Additional security is provided through built-in AES (Advanced Encryption Standard) instructions.

### **Powerful Video Processing**

Liger’s dual mini DisplayPort video outputs support two independent simultaneous displays including Extended Desktop and Clone modes. Intel’s advanced HD 620 - Gen 9 compute architecture, 24 execution units, and GPU Turbo Boost contain on-board hardware acceleration for encode/decode of JPEG, MJPEG, MPEG2, AVC, MVC, HEVC 8-bit, VP8, VP9 and other standards. The graphics engine also supports DirectX 12, Open GL 4.4, Open CL 2.0, full HD video playback, and 4K UHD resolution up to 4096 x 2304 @ 60Hz.

### **On-board I/O**

Liger’s I/O connectivity includes dual Gigabit Ethernet ports with network boot capability, Two USB 3.0 ports, four USB 2.0 ports, four serial ports, eight digital I/O lines, I2C, and three timer / counters. A SATA (Revision 3) interface support high-capacity rotating or solid-state drives at up to 6 GB/sec. A Mini PCIe socket with mSATA capability provides flexible solid-state drive (SSD) options.

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## Press Contact

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“VersaLogic’s new Liger board is a very high-performance PC/104-*Plus* embedded computer for applications requiring high-speed processing and extreme graphics capabilities,” said Bruce McKinnon, Chief Operating Officer for VersaLogic. “Advancing technology requirements in the high-end OEM markets are driving the need for higher performance in a small package. That’s what this board really delivers.”

### Flexible System Expansion

Liger’s Mini PCIe socket allows easy on-board expansion with plug-in Wi-Fi modems, GPS receivers, and other mini cards such as MIL-STD-1553, Ethernet, and Analog.

For stacking expansion using industry-standard add-on boards, the Liger supports PC/104-*Plus* expansion, including ISA and PCI based modules. This on-board expansion site provides plug-in access to a wide variety of modules from numerous vendors, all with bolt-down ruggedness.

An SPI / SPX™ interface offers additional plug-in expansion for low-cost analog and digital I/O.

### For Extreme Environments

The Liger is designed and tested for industrial temperature (-40° to +85°C) operation and meets MIL-STD-202G specifications to withstand high impact and vibration. Latching connectors and optional fanless operation provide additional benefits in harsh environments.

### Long-term Availability

The Liger is covered by VersaLogic’s 5+ year availability guarantee and a 5-year product warranty. 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 Liger, even in low OEM quantities. Customization options include conformal coating, revision locks, custom labeling, customized testing and screening, and more.

### Pricing and Availability

The Liger single board computer (EPM-43) will be available Q3 2017 from both VersaLogic and Digi-Key Corporation. Contact Sales@VersaLogic.com or visit [www.VersaLogic.com](http://www.VersaLogic.com) for more information.

### About VersaLogic Corporation

VersaLogic Corp. built its reputation on very high reliability products and superior service. A 40-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 long-life markets such as the medical and defense industries. For more information, visit [www.VersaLogic.com](http://www.VersaLogic.com).

### Press Release Photos

High resolution: [http://versalogic.com/images/PR\\_EPM-43\\_HI.jpg](http://versalogic.com/images/PR_EPM-43_HI.jpg)

Low resolution: [http://versalogic.com/images/PR\\_EPM-43\\_LO.jpg](http://versalogic.com/images/PR_EPM-43_LO.jpg)

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