



Company:
VersaLogic Corporation

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FOR IMMEDIATE RELEASE

VersaLogic embeds performance, security and resilience in new embedded computer

Tualatin, OR — July 14, 2020 — VersaLogic Corp., the embedded industry’s most trusted computer company, has released a new compact and rugged embedded computing system with error correcting (ECC) memory. This is VersaLogic’s eighth product family released in the popular Embedded Processing Unit format.

Named “Owl”, this new computer features error correcting memory combined with Intel®’s latest 5th generation Apollo Lake processors (dual or quad core). The Owl also includes TPM 2.0 hardware security, on-board power conditioning, Mini PCIe expansion sockets, and analog input ports, along with standard USB and Ethernet I/O ports.

Resilient and on-guard

“The Owl features soldered-down ECC (error correcting) memory to enhance resilience to shock and vibration, and guard against single-bit errors such as those that are likely to occur at higher altitudes,” said Len Crane, VersaLogic’s President. It also features on-board power conditioning which accepts 8 to 30 VDC input. This accommodates fixed and mobile 12 and 24 volt systems. Additional protection is provided against damaging transient voltages, over voltage, reverse voltage, and RF intrusion.

Small and tough

Within its 95 x 95 x 29 mm package, the Owl is an ideal balance of functionality and size for space-limited applications such as in unmanned vehicles on land, underwater, or in the air. The Owl is designed and tested for full industrial temperature (-40° to +85°C) operation and meets MIL-STD-202H specifications for shock and vibration.

Secure

The built-in TPM 2.0 security chip provides hardware-level security for applications that require secure log-ins, encrypted data storage, protected files, etc.

Connectivity

On-board I/O includes dual Gigabit Ethernet, one USB 3.0 and four USB 2.0 ports, eight analog inputs, eight digital I/O ports, and four serial ports. A SATA interface, eMMC Flash, mSATA slot, and a microSD socket provide a range of data storage options. Dual Mini PCIe sockets accommodate plug-in A/D, Wi-Fi modems, GPS receivers, MIL-STD-1553, Ethernet, FireWire, and other mini cards.

Long-term availability

Like other VersaLogic products, the Owl is designed from the ground up for long-term availability (10+ year typical production lifecycle).

Modifications

Modifications to the off-the-shelf product are available for the Owl, even in low OEM quantities. Modifications include conformal coating, revision locks, custom labeling, customized testing and screening, etc.

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Pricing and Availability

The Owl (VL-EPU-4012) is now in stock at both VersaLogic Corp. and Digi-Key Corp. OEM pricing starts at \$855. Contact Sales@VersaLogic.com for more information.

About VersaLogic Corporation

VersaLogic delivers state-of-the-art embedded computers, coupled with expert technical support, for critical markets such as medical and defense. Featuring long-term availability, -40° to +85°C operation, MIL-STD-202 shock and vibration testing, and outstanding US-based support, VersaLogic products are ideal for critical applications that value ruggedness, reliability and long life. A 40+ year history of consistency has earned VersaLogic the reputation of being “the industry’s most trusted embedded computer company.” For more information, visit VersaLogic.com.

Press Release Photos

High resolution: www.versalogic.com/wp-content/themes/vsl-new/assets/img/posts/PR_EPU-4012_HI.jpg

Low resolution: www.versalogic.com/wp-content/themes/vsl-new/assets/img/posts/PR_EPU-4012_LO.jpg

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