



August 22, 2023

Product Advisory #1889

VL-EPM-51 (Sabertooth) and VL-EPU-5120 (Eagle)

This is a formal notification that products supplied by VersaLogic Corporation are being revised. Our records indicate that your company has purchased one or more of these products.

Please read this notice thoroughly to determine what impact this change may have on you in regards to your currently owned product or future purchases from VersaLogic.

Affected Products

Product	Description	Old Revision Level	New Revision Level
VL-EPM-51	"Sabertooth" embedded computer board	2.00	2.01
VL-EPU-5120	"Eagle" embedded computer board	2.00	2.01

Changes Made to Product

VersaLogic has updated the firmware on the VL-EPM-51 (Sabertooth) and VL-EPU-5120 (Eagle) products. The changes include:

- Updated PCIe settings for PEG controllers 0:1:0, 0:1:1 and 0:1:2 from "auto" to "enabled". This prevents unused PEG controllers from being hidden and blocking enumeration of later controllers that may have a device installed. This allows a single VL-EPM-E9E expansion card to be initialized without needing a second card to occupy the first 8 PCIe lanes and keep the 0:1:0 controller visible and enabled.
- Changed detection of 3-Bank strap setting (Bifurcation and Lane Reversal) so that reboot is not needed to take effect.
- Disabled BIOS-directed Opal disk password as it interferes with OS-directed Opal drive encryption software.
- Changed 3-bank slot PCIe bifurcation default setting from one x16 lane, to two x8 lanes. This allows one or two x8 lane expansion cards to be detected by the BIOS, which is expected to be a more common configuration than a single x16 card.
- Added additional staking material (epoxy) to several on-board connectors to simplify handling during manufacturing.

Customer Impact

Although none of the changes made should impact typical user applications, VersaLogic recommends validating system operation with the new BIOS version.

Fielded units do not need to be updated. Unless there is a specific change included in this BIOS update that impacts a current customer issue, fielded units should be left as-is.



Future Shipments

New revision boards will begin shipping August 1, 2023.

Additional Information

For additional information or assistance related to this change, please contact VersaLogic Customer Support at Support@VersaLogic.com or call (503) 747-2261.