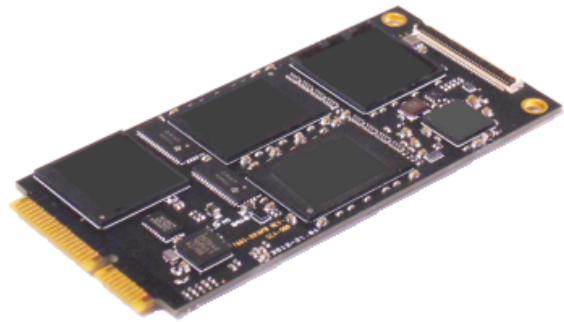




Secure Erase with Assurance Operating System Solid State Drive (SEAOS[®] SSD)

Innovative Erase Methodology for SSD Ensures Destruction of All Data

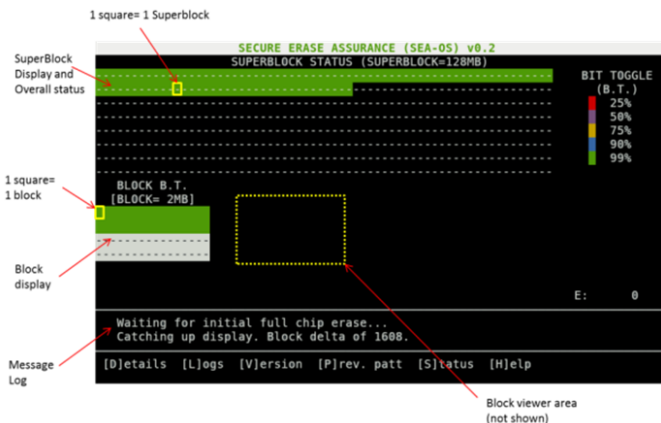
The ISC SEAOS[®] SSD (Irvine Sensors Corporation Secure Erase Assurance Operating System Solid State Drive) is currently available in a mSATA form factor with 64GB density. What makes the ISC SSD unique is the capability to erase all SSD contents with readback verification, assuring the user SSD data has been deleted. Every data cell in the NAND flash is erased and verified, including over-provisioning areas, hidden blocks, bad blocks, spare areas, etc. This is accomplished with unique, low level, NAND flash management and SEAOS[®]. An erase can be triggered via software or hardware. The SEAOS[®] SSD also provides a user interface during the erase process that clearly details status and a memory map of the flash identifying any areas should they fail to erase. The results provided by SEAOS[®] assure the user that the erase has been completed and was successful.



SEAOS[®] 64GB mSATA SSD

The SEAOS[®] SSD erase process is not subject to address remapping and data abstraction layers inherent in all SSD controllers. For this reason, SEAOS[®] is capable of accessing all flash cells to execute erase/write/read cycles. The SEAOS[®] SSD can support any military erase protocol and can apply true data/data-complement patterns at the flash level (that ensures each cell in Flash is toggled). The SEAOS[®] user interface displays the results as a color coded map for easy viewing.

ISC's SEAOS[®] SSD provides a unique method of data deletion and verification. SEAOS provides a bootable UI that displays progress and status of the erase procedure and ensures once the drive is triggered to erase that the user data becomes inaccessible via the SATA port even across power cycles.



SEAOS[®] User Interface