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New Mass Storage Mezzanine from Elma Offers Fast Secure Erasure and Write Protection

Secure PMCDisk Supports 10 Major Defense Agency Secure Erasure Procedures



FREMONT, Calif., August 2010 – Elma Electronic Systems division, a leading supplier of embedded products and systems solutions built on open standards-based platforms like CompactPCI, ATCA, VME and OpenVPX, now offers the [Secure PMCDisk](#) for securely erasing and write-protecting sensitive data in harsh environments often found in military and defense applications.

The new, high-capacity [mass data storage](#) mezzanine supports 10 major defense agency secure erasure procedures via a front panel push button with an LED indicator to confirm data erasure. It also enables write protection via a front panel toggle switch.

Specific defense agency standards supported by the Secure PMCDisk include fast clear/initialize; clear; DoD NISPOM 5220.22-M and 5220.22-M-Sup 1; NSA/CSS Manuals 130-2 and 9-12; AR 380-19; NAVSO P-5239-26; AFSSI-5020; and IRIG 106-07.

The new [RoHS-compliant](#) Secure PMCDisk ships complete with a 2.5" solid state flash drive. Current capacities support up to 128 GB. Software drivers are available for VxWorks, Linux and Windows. It can be used on any board with an IEEE1386.1-compliant PMC site, such as CompactPCI, VMEbus, OpenVPX, VXS and ATCA, replacing external hard drives or disk modules that require additional backplane slots or external connections.

The storage module supports SMART (self-monitoring analysis and reporting technology), which detects remaining useful drive life in order to avoid system failures that lead to catastrophic shutdowns, a key factor for applications requiring data safety. In addition, the SLC (single level cell) 2.5" SATA solid state storage device further increases data reliability and retention.

Conformal coating is available, applied in accordance with MIL-I-46058C, Type UR. Extended operating temperature range can be as high as -40°C to +85°C, based on user requirements. The ruggedized mezzanine withstands shock to 1,500 G at 0.5 ms half-sine and vibration to 16.4 G rms (10 Hz to 2,000 Hz random).

The mezzanine supports additional remote secure erase and write protection options; please consult factory for details.

For more information, please visit [Elma's Embedded Computing Products](#) site, contact our sales department at sales@elma.com, or call (510) 656-3400.

For high res photo: <http://www.simongroup.com/PressRoom/Images/act/ESP-A-8160.jpg>

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