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New Redundant RAID 5 NAS Appliance from Elma Provides High Shock and Vibration Tolerance for Critical Data Storage



FREMONT, Calif., July 2009 – ACT/Technico, now part of Elma Electronic Inc.'s Systems division, offers the [RAIDStor NAS Appliance](#), a compact, [rugged network attached storage \(NAS\)](#) platform that provides highly reliable, redundant [data collection and storage](#) in applications with high shock and vibration parameters.

The new 2U convection-cooled RAIDStor NAS Appliance is designed to meet MIL-S-901D Grade A (barge test) and MIL-S-167 (vibration) requirements with no data loss or hard drive damage, making the system ideal for harsh military environments. It is being deployed in equipment used on Aegis class cruisers.

The new RAIDStor NAS Appliance can be used in any application requiring a mission-critical data repository where data preservation is essential, including distributed communications processing, voice over IP (VoIP) and video streaming.

In addition to providing remote RAID array management through SNMP or a web interface, the system's network attached topology facilitates real-time data access by sharing critical data across multiple users, reducing overall storage capacity needed, and ultimately, costs.

Built on a CompactPCI platform, the RAIDStor NAS Appliance comes with four hot swappable, removable storage drives—either solid state flash or rotating—in two horizontally-mounted 6U single slot blades. The RAIDStor offers RAID level 5 protection across the four drives for a distributed parity redundancy architecture. This design provides 100% data preservation even with a failure of any one drive. For applications requiring software loading, an optional DVD drive is also available.

For increased redundancy, the system's hot swappable power supply can be expanded to up to two modules. The hot swappable drive bays can be easily removed for system upgrades and drive replacement. Rear I/O transition modules provide exceptional system configurability. The RAIDStor comes with driver support for VxWorks or Linux. [Contact Elma](#) for information on other operating system support.

For more information, please visit http://www.elmasystems.com/new_site/embedded_sub-systems_box_level_integration_compactpci_cpci.htm or contact sales@elma.com, call (510) 656-3400.

For high res photo:

<http://www.simongroup.com/PressRoom/Images/act/ACT-A-8068.jpg>

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