



Press Release

For immediate release

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X-ES Announces XPort6103, a Rugged Half-Terabyte (512 GB) Solid State Disk XMC with Data Encryption

Middleton, WI – February 17, 2011 – Extreme Engineering Solutions, Inc. (X-ES) announces the immediate availability of the [XPort6103](#), a conduction- or air-cooled Solid State Disk (SSD) XMC module that provides up to 512 GB, or a half terabyte (½ TB), of storage capacity with data encryption. With the ability to operate in demanding MIL-STD-810F environments that include harsh temperatures and rigorous shock and vibration conditions, the XPort6103 is well-suited to rugged, deployed, military applications with secure storage requirements.

The [XPort6103](#) is available with the option to provide 256-bit AES encryption, up to a capacity of 256 GB. The encryption chip used on XPort6103 is NIST- and CSE-certified. The XPort6103 supports enhanced erases, meeting both the DOD NISPOM 5220.22 and NSA/CSS 9-12 specifications.

The [XPort6103](#) features include:

- XMC PCIe x1 interface
- XMC SATA interface (optional)
- Up to 512 GB capacity (appears as two 256 GB drives)
- 256-bit AES encryption (optional)
- Declassification via hardware or software control
- ATA Secure Erase support
- 100,000 program/erase cycles
- -40°C to 85°C operating temperature range

The [XPort6103](#) provides best-in-class performance, with up to 200 MB/s sustained sequential read performance and 120 MB/s sustained sequential write performance.

About X-ES — Extreme Engineering Solutions, Inc. (X-ES) designs and builds chassis, single-board computers, I/O, power, backplane, and system-level products within the embedded computer industry. X-ES offers cutting-edge performance and flexibility in design, plus an unparalleled level of customer support and service. For further information on X-ES products or services, please visit our website: www.xes-inc.com or call (608) 833-1155.

Data Sheet: <http://www.xes-inc.com/assets/products/files/XPort6103-DS.pdf>

Press Photo: http://xes-inc.com/assets/photos/content/110703_XPort6103.jpg

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