



Press Release

For immediate release

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X-ES Packs 1 TB of Solid State Storage in Single 3U VPX Slot to Satisfy Military SSD Requirements

Middleton, WI – March 8, 2011 – Extreme Engineering Solutions, Inc. (X-ES) is providing one terabyte of solid state storage in a single 3U VPX slot. The newly available conduction- or air-cooled 3U VPX [XPort6172](#) Solid State Disk (SSD) provides up to 512 GB, or a half terabyte (½ TB), of solid state storage with data encryption. However, 1 TB in a single 3U VPX slot is achievable by mounting the [XPort6103](#) 512 GB XMC SSD onto the XMC site of the [XPort6172](#). The [XPort6172](#) and [XPort6103](#), individually or combined, satisfy the rigors of MIL-STD-810F and -461E – they are ready for the harshest deployments.

The [XPort6172](#) supports 256-bit AES encryption, utilizing the NIST- and CSE-certified Enova Technology X-Wall MX-256C encryption chip. Additionally, the [XPort6172](#) supports “zeroization” (i.e., enhanced erase) and satisfies DoD NISPOM 5220.22 and NSA/CSS 9-12 specifications.

The [XPort6172](#) features include:

- x4 PCIe interface on the VPX P1 backplane connector
- XMC connector with a x4 PCIe interface (for XMC or XPort6103 use)
- Up to 512 GB capacity (appears as two 256 GB drives)
- 256-bit AES encryption (optional)
- Declassification via hardware or software control (optional)
- ATA Secure Erase support
- 100,000 program/erase cycles
- -40°C to 85°C operating temperature range

“Customers have approached X-ES with 1 TB to 4 TB system-level requirements which can be supported using the [XPort6172](#) and [XPort6103](#) in our [XPand4200](#) or XPand5200 ½ ATR chassis solutions,” states Bret Farnum, VP Sales. “In our [XPand4200](#) populated with an SBC and a power supply we can provide a total of 4 TB of solid state storage in the other four slots.”

The [XPort6172](#) 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/XPort6172-DS.pdf>

Press Photo: http://xes-inc.com/assets/photos/content/120552_XPort6172.jpg

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