

## **Enterprise Erase Array** **Designed to Streamline Data Elimination from Hard Drives in Storage Towers**

The typical method of erasing data from hard drives contained in storage towers has been to remove each drive and erase them in an external device. Enterprise Erase Array eliminates the need to do this. Enterprise Erase Array directly connects to the shelves contained in the storage array, allowing access to the set of hard drives contained. Once these drives are presented, the operator can erase them while they are still contained in the shelf.

### **Take advantage of the following key product attributes:**

- Empowers user to directly connect to shelves contained in storage towers
- Empowers user to be able to erase drives in tower without removing them
- Configurable to interface with either SCSI or Fibre Channel storage shelves
- Compatible with many Dell, HP, Sun, EMC, NetApps and IBM storage shelves
- Capable of erasing up to four shelves at a time (60 drives)
- Configured as easily transportable 2U chassis
- Comes complete with reusable shipping case
- Loaded with Enterprise Erase software
- Shipped with SCSI and/or optical cables (configuration dependent)



## **Enterprise Erase Array - Operation**

Enterprise Erase Array is designed to work in one of two ways: By empowering the user to directly connect to the tower controller or system switch, or to empower the user to directly connect into the individual shelves comprising the tower. Each is detailed below.

*NOTE: While the majority of this document details Enterprise Erase Array as an appliance, it is sold as a software package which can be easily installed on equipment supplied by the customer.*

### **Directly Connecting to the Tower Shelves**

Enterprise Erase Array empowers the user to erase drives inside storage towers by directly connecting to the tower shelves. This bypasses the configuration settings of the tower's system controller, allowing the user to see and erase the fourteen to sixteen drives contained in each shelf.

The Enterprise Erase Array appliance is configured with three fibre channel, SCSI, or SAS cards, each with two ports. This gives the user the capability to erase multiple shelves of drives simultaneously. Current customers are overwriting ~200 hard drives simultaneously in SAN environment.



### **Directly Connecting into the Tower Controller or Switch**

Some storage tower designs allow for direct connection through either the system controller or the system switch, allowing the Enterprise Erase Array appliance access to all of the drives contained in the entire tower (all shelves). The Enterprise Erase Array software can detect and erase up to 240 drives simultaneously.

## Enterprise Erase Array – Recommended Hardware Setup

Tabernus recommends the following hardware for running Enterprise Erase Array Software:

- A desktop or server chassis
- 2 gigabytes of memory
- 3 Ghz dual core processor (AMD or Intel)
- LSI or Qlogic fibre channel card with SFP connectors for versatility (for use with FC protocol towers/servers).
- Adaptec U320 SCSI card (for use with SCSI protocol towers/servers)
- LSI SAS card (for use with SAS protocol towers/servers)

*Note about FC cards: FC cards come in various speeds (1 gig, 2 gig, 4 gig, and 8gig). It is best to match the speed of the card used with the speed of the tower being erased. Some cards will automatically step down in speed (for instance, erasing a 2 gig tower with a 4 gig card), but this is not always the case. Whether or not the card will step down is dependent on the functionality of the card.*

In addition, directly connecting to a storage tower requires cables. The actual cables required will depend on the tower that the customer is erasing. Here are the standard cable types:

- Optical cables (often come with purchase of FC card)
- HSSDC to SFP
- SFP to DB9
- SCSI (68 pin wide or narrow ends)

Other Items that will be needed for Operation:

- Monitor
- Keyboard (PS2 or USB)
- Mouse (PS2 or USB)

## Key Product Advantages

- Appliance directly connects at the shelf level, bypassing storage tower controllers. This avoids issues with configuration of the storage tower.
- Appliance allows user to erase drives contained in storage towers WITHOUT having to remove the drives from the storage tower shelves.
- Erasure reports are organized and stored on appliance internal hard drive
- Configurable erasure options:
  - CESG HMG1A single Pass (Lower Level-Baseline)
  - CESG HMG1A three pass (Higher Level-Enhanced)
  - DOD 5220.22-M

## Contact us today to discuss your data erasure needs!



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## Accreditations & Certifications



Tabernus is headquartered in Austin, Texas, USA with an office in Newport, Wales, UK.