we make
eDrive
simple

What is Enova® Cyborg Solution for Microsoft® eDrive

Enova® Cyborg solution converts any standard SATA disk drive and SSD to comply with *Microsoft® eDrive* specification to facilitate fast and economic deployment using Bitlocker and Windows Server 2012 and thereafter. There are three essential security components of the solution and they are:

1. Patented *X-Wall® MX+*, a SATA-to-SATA in-line cryptographic offload engine, an ASIC (Application Specific Integrated Circuit), operating at 6Gb/second (six gigabits per second) using AES CBC/XTS/ECB mode of operations;

2. TCG (Trusted Computing Group) OPAL 2.0 Specification, a publicly endorsed strong authentication and access control mechanism; and

3. IEEE 1667, a standard protocol for authentication in Host Attachments of Transient Storage Devices.

How Does It Work

Simply place the Enova® *X-Wall MX+* inline hardware cryptographic offload engine between the SATA host adapter and a standard SATA disk drive/SSD and the process of converting will start automatically. The TCG Opal and IEEE 1667 firmware are pre-loaded on the *X-Wall® MX+* in-line cryptographic offload engine therefore no additional software is required. Bitlocker and the Windows operating systems will assume the control of entire *eDrive* operation after the process is completed.