



## Hardware Crypto Module Securing Cloud Storages



The *Enigma II* is a USB hardware crypto module (HCM) that encrypts existing drive in data and safeguards confidentiality over Data-In-Transit (DIT) or Data-In-Motion (DIM).

*Enigma II* HCM is capable of encrypting selective files and folders of any computer detectable storage devices including boot drive, external drive such as USB or 1394, network attached drive and virtual drives such as Dropbox, Windows SkyDrive, Google's GoogleDrive and Macintoshi iCloud. It deploys Enova's X-Wall DX256 (AES ECB) and X-Wall DX256C (AES CBC) real-time USB-to-USB OTG hardware crypto modules which are NIST/CSE certified. With the *Enigma II* HCM, file/folder can be encrypted and decrypted. Without it, the encrypted file/folder remains encrypted.

The new *Enigma II* HCM is the best alternative to your software encryption. Unlike software encryption that relies on CPU and other system resource, the *Enigma II* HCM performs authentication and cryptographic operations on the chip level that completely eliminates security weakness found on all software encryption products. It encrypting existing data in place. User gets to send the encrypted files/folders through public network with confidentiality. Only the right recipient who has possessed the same Data Encryption Key (DEK) can successfully decrypt those received encrypted files and folders.

## NIST Certified Real-time Hardware Crypto Engine

The cryptographic performance is performed by the NIST (National Institute of Standard and Technology) certified real-time hardware engine and the data encryption key remains in the HCM until the next power on cycle – the solution is secure and requires no additional user training.

*Enigma II* HCM can encrypt files/folders of any number of those detectable drives through the provided software GUI of Windows and Macintosh. However, the *Enigma II* HCM is not engineered to perform real-time full disk encryption like its predecessor *Enigma I* does. Therefore one may experience slower performance while encrypting big file/folder (over 2GB per file/folder).

For full disk encryption application, choose the *Enigma I* or other *X-Wall* based real-time crypto modules from [www.enovatech.net](http://www.enovatech.net) .

## Key Features

- *Enigma II HCM* is a physical module interfacing with standard USB protocols
- Support 2- factor authentication
- Capable of encrypting existing data in place
- Capable of encrypting selective files/folders of any OS detectable storage drives, including boot drive, external drive such as USB or 1394, network attached storage and virtual drives such as Dropbox, SkyDrive, GoogleDrive and iCloud etc.
- Secures Data-in-Transit (DIT) and/or Data-In-Motion (DIM); encrypted file can be sent through public network securely
- Allows sharing of encrypted file/folder
- Simple yet very effective key management
- Simple to use software GUI of Windows and Macintosh; requires no software and/or driver download and installation
- Compliance to any USB 1.0/1.1/2.0/3.0 MSC protocols
- Built-in 4GB flash for use as USB flash drive

## Ordering Codes

| Ordering Code (SKU) | AES Mode of Operation | Encryption Strength | OS Software Support |
|---------------------|-----------------------|---------------------|---------------------|
| EMA-DX256E-4W       | ECB                   | 256-bit             | Windows             |
| EMA-DX256C-4W       | CBC                   | 256-bit             | Windows             |
| EMA-DX256E-4M       | ECB                   | 256-bit             | Windows & Macintosh |
| EMA-DX256C-4M       | CBC                   | 256-bit             | Windows & Macintosh |

## System Requirements

- USB 1.0/1.1/2.0/3.0 compliant
- Windows 8/7/Vista/XP and Mac OS, 32 or 64 bits
- All operating systems with USB1.1/2.0/3.0 support



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Enova Technology specializes in the design of advanced real-time cryptographic storage solutions. Enova's innovative encryption technology satisfies the needs of Corporations, Government Agencies, Consumers and security-conscious users worldwide who demand absolute privacy and confidentiality of stored data and network credentials.