

# O'TOSTORE 3.5" encrypted HDD enclosure series protects your external storage and secures your precious data

## Features

- Supports Hi-Speed USB data transfer speed of up to 480Mbps, IEEE 1394 data speed of up to 400Mbps, or IEEE 1394b data up to 800Mbps (upon model)
- USB Mass Storage Class offers driverless installation under
- Windows 2000, XP and 2003
- Supports most 3.5" HDDs, and ultra high capacity HDDs larger than 137GB
- Easy to connect by plug-n-play
- Aluminum construction provides excellent thermal efficiency
- Provides robust HDD fixing mechanism to reduce risk of HDD damage during movement
- Protects HDD against accidental drops with anti-shock design
- Eliminates power supply removal with built-in power switch
- Supports DES/TDES\* hardware encryption security

## EC-S12CI & EC-S120

- Combines enclosure and 1394 repeater functionality

\*The standard shipment is with encryption of DES 40-bit key strength. Designs with 64-bit/128-bit /192-bit encryption are available by request

EU-M10C  
USB2.0

EC-M120  
USB2.0/FireWire800

EC-M12CI  
USB2.0/FireWire



The cost of a lost or stolen HDD includes not only the expense of replacing hardware, but also unplanned administrative costs and reduced productivity. Lost or stolen data also impacts enterprise customer confidence, and may damage personal or corporate credibility and integrity, as well as incurring legal liability associated with negligent disclosure if the data is non-public personal information, such as names, addresses, credit cards, other financial and health information, or sensitive or regulated data, including intellectual property such as engineering plans and chemical formulas, product or experimental test results, and corporate financial data and even business e-mail files.

The O'TOSTORE 3.5" encrypted enclosures adopt Enova's X-Wall® LX security ASIC, which intercepts, interprets, translates, and relays IDE commands and data in the entire hard drive including boot sector, temp files, swap files and the operating system, using the NIST (National Institute of Standards and Technology) certified DES (Data Encryption Standard) 40-bit/64-bit and TDES (Triple DES) 128-bit/192-bit key strength. The Secure Key serves as user authentication for access control while chipset encrypts and decrypts. The Secure Key contains the DES/TDES "Secret Key" used by the ASIC to encrypt or decrypt data. Without the key, the protected disk drive cannot be booted and there is no access to the PC.

The O'TOSTORE Secure Key design is based on the FireWire 400 form factor. To eliminate potential confusion, the Secure Key employs a discreet error-proof module that can only be accommodated by the corresponding key receptacle on the enclosure, thereby preventing potential damage to the FireWire port.

Designed for desktop users who demand the most from an external HDD, the O'TOSTORE 3.5" Enclosure series meets their storage needs with a complete line of encrypted and unencrypted configurations, anti-shock protection, secure fixing (HDD) mechanism, silent operation and the choice of single or combo FireWire 400/800 and USB 2.0 interfaces.

To maximize stability and thermal efficiency, these aluminum Enclosure Kits channel heat directly out of the enclosure through generous exhaust vents.



## ONNTO CORPORATION

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The built-in power switch allows users to shut down the hard drive without removing the power supply. The Safety-centric O'TOSTORE enclosures protect your data with advanced mechanical features including:

## Enhanced Durability

The O'TOSTORE 3.5" HDD enclosure offers eliminates this headache with copper pillar reinforced screw guides on front and rear panels. Copper reinforcement enhances durability and prolongs product life regardless of how often the hard drive is swapped.

## Anti-Shock Protection

The O'TOSTORE 3.5" HDD enclosure protects your valuable data by providing a resilient multi-point "suspension system". Positioned at critical impact points, the shock absorbers work together with auto-limiting segmented screws to form a "suspension system" platform inside the enclosure housing, creating an anti-shock chamber to cushion the blow of potential impacts from HDD drops and excessive movement.

## Easy Installation

The O'TOSTORE 3.5" HDD enclosure eliminates connection hassles by providing a level platform for the hard drive. O'TOSTORE enclosures enable simple connection of the IDE cable to the drive. After the cables are connected, the hard drive is simply lowered into the supporting brackets.

## Secure Fixing Mechanism

The 3.5" encrypted HDD enclosures are equipped with simple "reverse-C" mounts to fasten the hard drive, which prevent the HDD from impact with the housing if the enclosure is turned upside down. The auto-limiting segmented screws make aligning and fastening the hard drive to the base trouble-free, and prevent damage to the shock absorbers and HDD due to over-tightening. When the auto-limiting screw is seated, it will simply stop turning, eliminating guesswork and instilling confidence that the drive is properly fastened and ready for use.

The advanced chassis design and mounting brackets form an integral bond with the external housing to hold the hard drive firmly in place, and the shock absorbers provide further protection by eliminating movement inside the enclosure. The unique anti-shock chamber and "reverse-C" mounts form a secure fixing mechanism enhancing the stability of HDD connections and protecting stored data.

## Thermal Protection and load-bearing case

The exhaust vents in the chassis provide a wider opening than typical enclosures, allowing heat to be channeled directly out of the enclosure and away from the hard drive. The precision density of the rugged aluminum case provides excellent heat dissipation and is strong enough to bear external weight. Deceptively compact, the enclosure guarantees cool running by leaving space around the entire hard drive, eliminating the need for a fan.



Secure Fixing Mechanism  
Taiwan New Utility Patent No.: M264617;  
Japan Registered Utility Model No.: 3108708  
Design Patents in other countries pending  
Error-proof Secure Key  
Taiwan Patent No.: M253038  
China Patent No.: Z200420005382.9



Take advantage of the intelligent design of the O'TOSTORE HDD enclosure series and secure your data in style.

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O'TOSTORE

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The secure key serves as user authentication for access control while the ASIC encrypts and decrypts data

## Specifications

Model	EU-M10C	EC-M12CI	EC-M12O
Bus Interface	USB 2.0	USB 2.0 and IEEE 1394a	USB 2.0 and IEEE 1394b
Data Speeds	12Mb/480Mbps	USB 2.0 Port: 12Mb/480Mbps IEEE 1394 (FireWire) port: 100/200/400 Mbps	USB 2.0 Port: 12Mb/480Mbps IEEE 1394b (FireWire 800) port: 100/200/400/800 Mbps
Connector	One USB mini-B receptacle One security key receptacle in 6-pin 1394a form	One USB mini-B receptacle Two 6-Pin 1394a connectors One security key receptacle in 6-pin 1394a form	One USB mini-B receptacle Two 9-Pin 1394b connectors One security key receptacle in 6-pin 1394a form
IDE Standard	Compliant with ATA-6 LBA-48 Bit (large capacity >137 GB) UDMA 66/100/133 modes	Compliant with ATA-6 LBA-48 Bit (large capacity >137 GB) UDMA 66/100/133 modes	Compliant with ATA-6 LBA-48 Bit (large capacity >137 GB) UDMA 66/100/133
IDE Transfer Rate	UDMA 66	USB2.0: UDMA 66 FireWire: UDMA 66/100	UDMA 66/100/133
HDD Support	3.5" ATA-6 HDD	3.5" ATA-6 HDD	3.5" ATA-6 HDD
LED	Power on/Security Error/Access	Power on/Security error/Access	Power on/Security error/Access
Power Supply	AC Adapter 12V/3A	AC Adapter 12V/3A	AC Adapter 12V/3A
AC Input	110V ~ 240V Full Range	110V ~ 240V Full Range	110V ~ 240V Full Range
DC Output	12V/3A	12V/3A	12V/3A
Dimension	226 x 133 X 36 mm (L x W x H)	241 x 133 X 36 mm (L x W x H)	241 x 133 X 36 mm (L x W x H)
Weight	634 g (without HDD)	650 g (without HDD)	656 g (without HDD)

## System Requirement

PC	Mac
<ul style="list-style-type: none"> <li>• 266MHz or faster CPU</li> <li>• 64MB of RAM</li> <li>• Microsoft Windows 98SE, 2000, XP, 2003</li> <li>• One available USB port</li> </ul>	<ul style="list-style-type: none"> <li>• Macintosh PowerPC or Intel Core Duo processor</li> <li>• 64MB of RAM</li> <li>• Mac OS 9.X or higher (PowerPC) / Mac OS X 10.4 (Intel Core Duo)</li> <li>• One available USB port</li> </ul>
<ul style="list-style-type: none"> <li>• 266MHz or faster CPU</li> <li>• 64MB of RAM</li> <li>• Microsoft Windows 98SE, 2000, XP, 2003</li> <li>• One available USB port or IEEE 1394a port</li> </ul>	<ul style="list-style-type: none"> <li>• Macintosh PowerPC or Intel Core Duo processor</li> <li>• 64MB of RAM</li> <li>• Mac OS 9.X or higher (PowerPC) / Mac OS X 10.4 (Intel Core Duo)</li> <li>• One available USB port or IEEE 1394a port</li> </ul>
<ul style="list-style-type: none"> <li>• 266MHz or faster CPU</li> <li>• 64MB of RAM</li> <li>• Microsoft Windows ME, 2000, XP</li> <li>• One available USB port or IEEE 1394b port</li> </ul>	<ul style="list-style-type: none"> <li>• Macintosh PowerPC or Intel Core Duo processor</li> <li>• 64MB of RAM</li> <li>• Mac OS 9.X or higher (PowerPC) / Mac OS X 10.4 (Intel Core Duo)</li> <li>• One available USB port or IEEE 1394b port</li> </ul>

- 1) To operate HDD enclosure via USB2.0, Mac OS X 10.3, or 10.1.5/10.2.x with USB 2.0 driver installed is required to support high speed USB2.0. Mac OS 9.x supports full speed only. Mac OS supports USB 2.0 driver since Mac OS X 10.2.8.
- 2) Connection of HDD enclosure via FireWire cable requires FireWire HDD enclosures support driver. Mac OS 8.6 users may need to download FireWire support driver in order to access HDD enclosure.
- 3) Operation of HDD enclosure via FireWire 800 (1394b) requires Mac OS X 10.2.4 or newer to support FireWire 800 speed.

Hardware Encryption Protects your Confidential Data

