

INTRODUCTION

This Addonics Mini HDD Duplicator Station is a feature rich storage device. It is designed to be used as a simple 1:1 HDD/SSD duplicator or as a fast USB 3.0 docking device for up to two SATA hard drives. It comes in a very small foot print, about the size of a Desktop computer power supply, and operates silently without any cooling fan.

As a 1:1 HDD/SSD duplicator, simply insert the master hard drive into the SOURCE slot and the destination drive to the TARGET slot, press the CLONE button and the duplication process starts automatically. All the content, including boot sector and partition table, on the master drive will be copied onto the destination drive sector by sector. The SOURCE and the TARGET drive slots are designed to accommodate standard 3.5" or 2.5" SATA hard drive or Addonics family of 2.5" Flash drive. There is no special tool required to install the drive.

As a fast USB 3.0 docking station, the two drives in the SOURCE and TARGET drive slots can be connected to any computer via the SuperSpeed USB 3.0 port or the High Speed USB 2.0 port. The drives will appear as two individual drives to the computer. Each drive can be removed and new drive can be added to the drive slot without the need to restart the computer, similar to using the VHS cassette. There is also a BACKUP button that works in unison with the bundled backup software to conveniently make a copy of all your important data onto one of the two hard drives installed in this docking station.



FEATURES

- Use as a 1:1 HDD/SSD duplicator or as a USB 3.0 HDD docking station
- Drives are added or removed just like using VHS cassette without any special tool
- Support any standard 3.5" or 2.5" SATA hard drive, SSD or Addonics 2.5" Flash drive
- Small foot print, about the size of an ATX power supply (common desktop computer power supply)
- Silent operation without cooling fan. Drives are cooled from the natural convection
- Duplicator features:
 - Great for cloning another hard drive or for making a back up hard drive.
 - Copy all contents from the master drive sector by sector, including partition table and boot sector
 - A convenient tool for transfer data between different types of hard drive and flash memory card
 - Maximum copying speed¹ ~ 65 MB/sec
 - Destination drive must be of equal capacity or larger than the Source drive
 - Support any type of file format
 - Maximum drive size > 4TB
 - Completely standalone One to One hard drive duplicator with no additional hardware or software
- USB 3.0 HDD docking station:
 - Connect up to two hard drives, SSD's or Addonics 2.5" Flash drives to any computer via USB 3.0 / 2.0 port
 - Drives appear as two individual drives to the computer
 - Maximum transfer rate: 5,000 Mbps for USB 3.0 and 480 Mbps for USB 2.0
 - Maximum drive size over 4TB
(for older Windows OS that does not support GPT partition, drive size over 2TB can be partitioned in MBR in 4K sector² using the model HDMU3-X)
 - One button backup software
 - Model HDMU3 is compatible with Addonics NAS 4.0 adapter

Note:

1. The speed here is for reference only. The speed were measured basing on using 3.5" SATA III 320 GB hard drive for both source and target. The transfer rate varies depending on the speed of the source and destination drive.

2. In order to install drive size over 2TB, the OS must support GPT drive partition in standard 512 bytes sector. All modern OS such as Windows 7 and later, Mac OS X or the latest Linux Kernel support GPT drive partition and should use the standard model ADU3ESAM

For older Windows XP system that does not support GPT drive partition, the hard drive over 2TB must be partitioned in MBR with 4K sector. In this case, you will need to use the model ADU3ESAM-X. However Linux and Mac OS do not support drive with 4K partition. So this will limit the drive to be used in the Windows XP system only. Drive partitioned in 4K sector will not work with any Addonics NAS adapters as all these devices use Linux OS.

SPECIFICATIONS

- Writing mode : Sector to Sector
- Typical transfer rate ~ 65 MB/sec
- Two drives slot to accomodate 3.5" or 2.5" SATA HDD/SSD
- Clone button
- Backup button
- Eject buttons for each drive slot
- USB 3.0 type B female connector
- Four LEDs to display % completion during the duplication process
- Activity LED for each Drive
- Power ON/OFF switch and status LED
- Low power consumption: < 250 mA at 5V excluding hard drives
- 110/240V power adapter
- Compact size (W x D x H) - 5.9 x 5.0 x 2.78 in. (150 x 127 x 70.6 mm) without the small foot stand (height of the foot stand is ~ 0.25 in.(6.4 mm))
- Weight: ~ 1 lb (453.6 gm)
- Operating environment: 0 - 50 degree C, 15% - 90% RH
- Storage environment: (- 20) - (65) degree C, 0% - 95% RH non-condensing