Ultra-High-Speed Hard Disk(HDD) /SSD Duplicator 1 to 7 (IT700U)

1 / 5

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ITU- Ultra High-speed Series

Main features of the Hard Disk(HDD) /SSD Duplicator 1-7 (IT700U)

- Speed transfers of up to 30GB per minute.
- Systems & files copy mode supports Windows (FAT16/32/exFAT, NTFS),Linux (ext2/ext3/ext4), Mac (HFS, HFS+, HFSX.)
- Data Sanitization: quick erase, DoD erase, and secure erase.
- Real-Time PC Monitoring.
- Log report management records all task details for better production management.
- Cable free connection for easier HDD insertion & removal.

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Product Description

IT series is a professional SATA HDD duplicator, specially designed for high-volume duplication. U-Reach adopted a unique multitasking technology, it can simultaneously copy 7 HDD targets with a high transfer speed of 18GB per minute.

We guarantee the highest productivity without speed degradation even as the number of targets increase. The IT series SATA HDD duplicator provides four copy modes: quick smart copy, all partitions copy, percentage copy and whole HDD copy that all meet different duplication task requirements. The quick copy mode copies data and skips blank area. NTFS, Linux (Ext2/Ext3/Ext4), FAT (16/32/exFAT), and Mac (HFS, HFS+, HFSX) formats are all supported with quick copy mode.

In addition, the IT series SATA HDD duplicator is equipped with different levels of secure erase functions, Quick Erase, Full Erase, DoD 5220 Erase government standards and Secure Erase which can fulfill different levels of security for HDD wiping.

Features

- Impeccable High Speed

U-Reach Ultra High-Speed IT Series SATA3.0 HDD/SSD duplicator is capable of copying at **30 GB/m** on all targets simultaneously, without any speed degradation as number of targets increase. This duplicator is great for manufacturers.

- **Intelligent Duplication Modes**

U-Reach Ultra High-Speed SATA3.0 HDD/SSD duplicator offers a diverse of duplication modes. The user may select the appropriate mode based on application demand.
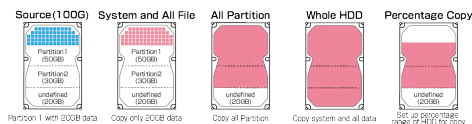

Illustration of Copy Modes

The areas containing data are marked in blue. The areas being copied are marked in red. Duplication time depends on the speed supported by the hard drive's controller chip.

- **Sanitization Methods**

1. Quick Erase: Erase HDD index table, and only takes A FEW SECONDS to complete
2. Full Erase: Erase the complete HDD
3. DoD Erase: Complies with the U.S. Department of Defense's standard of erasing.
4. Secure erase: A National Institute of Standards and Technology (NIST 800-88) accepted technique for properly purging hard drives. This method is supported by almost all modern SATA HDD.

- High Compatibility
- Quick copy mode supports Windows (FAT16/32/64), Linux (ext2/ext3/ext4), and Mac (HFS/HFS+/HFSX) formats.
- Whole media copy mode supports all system and proprietary formats.
- Supports various brands.
- Designed to support 18TB+ capacities.
- Supports MBR and GPT partitioning.

Windows FAT16/32/64/NTFS

Macintosh HFS/HFS+/HFSX

Linux ext2/ext3/ext4

● Auto Rejection of Slow Devices

Ultra High-Speed IT Series SATA3.0 HDD/SSD duplicator enable end-users to set the minimum writing speed threshold. This feature was developed to prevent and to eliminate problematic devices that halts the duplication and sanitizing process.
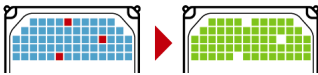
● Double Data Verification: Compare + CRC Checksum

U-Reach duplicators makes straightforward copies, but it is imperative that the copied data are verified through a bit-by-bit process, this will ensure successful copied and reduce customer recalls.

Pass:20 Fail:0 40:00
CRC:7073923CEBDF7B58

● Skipping Bad Sectors

End-users are given options to skip bad sectors from the source device. Access the function to select the numbers of bad sectors to skip, from 0 through unlimited.

● Optional Adapters Supported

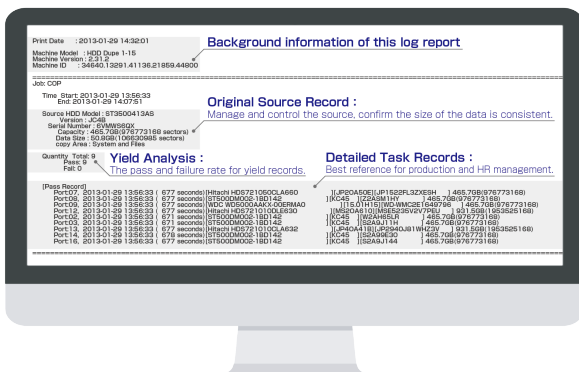SATA DOM   Panasonic CF Adapter   Micro SATA   CFast Card

mSATA   NGFF(SATA)   eSATA

● Event Log Report

U-Reach HDD/SSD duplicators has an unique mechanism to prevent alteration of its Event Log Report. It records the operation results and other information of each devices completely. It is an important asset for production management and analysis.

Print Date : 2013-01-29 14:32:01

Machine Model : HDD Dupe 1-15
Machine Version : 2.31.2
Machine ID : 34640.13291.41136.21859.44800

Background information of this log report

Job: COP

Time Start: 2013-01-29 13:56:33
End: 2013-01-29 14:07:51

Original Source Record :
Manage and control the source, confirm the size of the data is consistent.

Source HDD Model : ST3500413AS
Version : JC4B
Serial Number : 6VMM5SGX
Capacity : 465.7GB(976773168 sectors)
Data Size : 50.8GB(106630985 sectors)
copy Area : System and Files

Quantity Total: 9   **Yield Analysis :**   **Detailed Task Records :**
Pass: 9   The pass and failure rate for yield records.   Best reference for production and HR management.
Fail: 0

[Pass Record]
Port:07, 2013-01-29 13:56:33 (677 seconds)[Hitachi HDS721050CLA660   ][JP20A50E][JP1522FL3ZXE5H   ] 465.7GB(976773168)
Port:08, 2013-01-29 13:56:33 (677 seconds)[ST500DM002-1BD142   ][KC45   ][Z2ASM1HY   ] 465.7GB(976773168)
Port:09, 2013-01-29 13:56:33 (677 seconds)[WDC WD5000AAKX-00ERMA0   ][15.01H15][WD-WMC2E7649796   ] 465.7GB(976773168)
Port:12, 2013-01-29 13:56:33 (677 seconds)[Hitachi HDS721010DLE630   ][M5O0A610][MSE5235V2V7PEU   ] 931.5GB(1953525168)
Port:02, 2013-01-29 13:56:33 (671 seconds)[ST500DM002-1BD142   ][KC45   ][W2AH65LR   ] 465.7GB(976773168)
Port:03, 2013-01-29 13:56:33 (671 seconds)[ST500DM002-1BD142   ][KC45   ][S2A9U11H   ] 465.7GB(976773168)
Port:13, 2013-01-29 13:56:33 (677 seconds)[Hitachi HDS721010CLA632   ][JP40A41B][JP2940J81W4Z3V   ] 931.5GB(1953525168)
Port:14, 2013-01-29 13:56:33 (678 seconds)[ST500DM002-1BD142   ][KC45   ][S2A99E3O   ] 465.7GB(976773168)
Port:16, 2013-01-29 13:56:33 (677 seconds)[ST500DM002-1BD142   ][KC45   ][S2A9U144   ] 465.7GB(976773168)

● **Real-Time PC Monitoring**

It is absolutely perfect for MONITORING the work progress during operation. It shows all the information for EVERY PORT, which is a powerful tool for sorting out the lagging writing HDD and keeping the operation efficient. All the information you need will be shown on a PC screen.

Specification

Model	IT700U	
Targets	1-7	
Speed	30GB/min. (500MB/sec.) *Actual performance is dependent on HDD transfer rates.	
Specifications	Operating Type	Stand-alone, non PC-based operation
	Supported Formats	**Copy Modes: All Partitions/Whole HDD/Percentage copies all types of formats, both known, and unknown. Quick Copy: FAT16/32/exFAT, Windows (NTFS), Mac (HFS/HFS+/HFSX), and Linux (Ext2/3/4).**
	Language Support	English, Japanese
	LCD Display	Backlit Monochrome LCD Display
	LEDs	3 LED Indicators per Port: Yellow (Power), Green (Pass), Red (Fail)
	Control Panel	4 Push Buttons (?, ?, OK, ESC)
Features	Copy Modes	Quick Copy, All Partitions Copy, Whole HDD Copy, and Percentage Copy
	Skip Bad-Sectors	Manually set *(Bad sector)* threshold range to skip during copy process
	Compare Function	Bit-by-bit hardware-accelerated data comparison
	Sanitization Modes	Quick Erase, Full Erase, DoD Erase, and Secure Erase
Special Features	PC Monitoring	Real-time status monitoring through PC
	Log Report	Monitor real-time recordings and Log Reports via PC-Link

	Management	Event log reports are generated through the USB port and saved to USB devices
Compatibilities	OS Supported	All (Windows, Linux, and other stand-alone systems)
	Compatible Interfaces	w/o Adapters 1.8"/2.5"/3.5" SATA HDDs and SSDs
		w/ Adapters microSATA, mSATA and M.2
	Advanced Formats	Supports MBR, GPT, and Advanced formats.
Hardware Specifications	Power Supply	Adjustable voltage 115V-240V, 50/60Hz
	Temperature Range	Operating Temperatures: 5°C ~ 45°C (41°F ~ 113°F)
		Storage Temperatures: -20°C ~ 85°C (-4°F ~ 185°F)
	Humidity Range	Working Humidity: 20% ~ 80%; Storage Humidity: 5% ~ 95%
	Certification	FCC, CE, RoHS

Comparison Chart

Series	IT	MT	MTS-SAS	Super1
Ports	1-3; 1-7; 1-15	1-7; 1-15; 1-23	1-3; 1-7; 1-15	1-1~1-11; 1-15; 1-24; 1-37
Speed	G: 9GB/min H: 18GB/min U: 30GB/min	G: 9GB/min H: 18GB/min U: 30GB/min	18 GB/min	9 GB/min
Supported Protocol	SATA	SATA	SAS & SATA	SATA
Copy and Erase	V	V	V	V
HPA Copy/Erase	V	V	V	
Output Log Report	V	V	V	
PC Monitor	V	V	V	
Asynchronous Erase Button			V	
Daisy-chain		MTC1600H (15GB/min)		
Hardware Design	Guide Rail Design	Open- platform Design (Easy to support multi-interface HDD/SSD)		Support 2.5" SATA through optional adapter

The Data Equipment Expert Duplication / Inspection / Sanitization   www.ureach.eu