High-Speed PCIe NVMe M.2 SSD Duplicator and Sanitizer 1 to 10 (PE1100H)

Valutazione: Nessuna valutazione
Fai una domanda su questo prodotto

Descrizione

PE-H Series

Main features for High-Speed PCIe M.2 Duplicator and Sanitizer 1-10 (PE1100H)

- Speed transfers up to 60 GB per minute.
- Non-PC based design, supports hot swapping.
- Systems & files code mode supports Windows (FAT16/32/exFAT, NTFS),
  Linux (ext2/ext3/ext4) and Mac (HFS, HFS+, HFSX.)
- Data Sanitization: Quick Erase, Full Erase, DoD Erase, DoD Erase + Compare and Secure Erase.
- Supports M key and B+M key for PCIe / SATA M.2 SSDs.
- Supports SATA / U.2 / PCIe SSD / BGA SSD through adapter.
- Log report management records all task details for better enhanced management.

Product Description

PE-H series is a professional PCIe M.2 duplicator, specially designed for high volume duplication. U-Reach adopted a unique multitasking technology that can simultaneously copy 10 PCIe M.2 targets with a high transfer speed of 60 GB per minute.

We guarantee the highest productivity without speed degradation even as the number of targets increases. The PE-H series M.2 duplicator provides four copy modes: quick smart copy, all partitions copy, percentage copy and whole copy that all meet different duplication task requirements. The quick copy mode copies data and skips blank area. NTFS, Linux (Ext2/Ext3/Ext4), FAT/FAT32/exFAT and Mac (HFS, HFS+, HFSX) formats can all be supported with quick copy mode.

In addition, the PE-H series M.2 duplicator is equipped with different levels of erase functions, Quick Erase, Full Erase, DoD 5220 Erase government standards, which can fulfill different levels of PCIe wiping security.
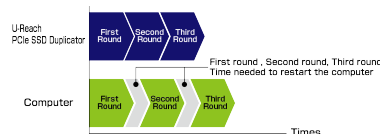
Features

● **Impeccable Efficiency**

U-Reach PCIe M.2 duplicator copies at **60.0 GB/m** on all PCIe M.2 simultaneously, without any speed degradation as number of targets increase.
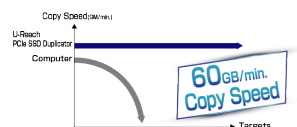
● **No waiting time required for duplication**

When each round of duplication is completed, the next round can start immediately without having to wait or restart the machine

● **Native Support NVMe and SATA Protocols**

Converter chips are not being adopted by PE-H series which deploys an M.2 interface with native NVMe/SATA protocols. This directly transfer the data to enhance the compatibility during the duplications.

● **FPGA-based Platform**

Industrial-grade FPGA design not only facilitates cross interface / cross signal duplication but avoids restarting the system after each round of duplication.

U-Reach PCIe SSD duplicator offers a diverse of duplication modes. The user may select the appropriate mode based on application demand.
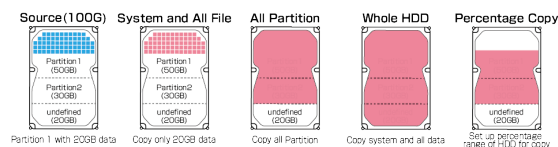
Illustration of Copy Modes:
The areas containing data are marked in blue. The areas being copied are marked in red. Duplication time depends on the speed supported by the hard drive's controller chip.

- **Sanitization methods**

?**Quick Erase:**
Erase HDD index table, and only takes A FEW SECONDS to complete.
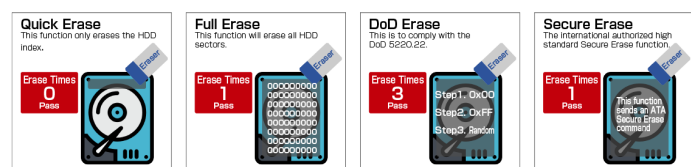?**Full Erase:**
Erases the entire HDD.
?**DoD Erase:**
Complies with U.S. Department of Defense erasure standards.
?**Secure Erase:**
A National Institute of Standards and Technology 800-88 accepted technique for properly purging hard drives. This method is supported by almost all modern SATA/SAS HDD.

- **Source Management System**

The administrator can through a specific software store the image files on the computer for centralized management. When needed, this image files will be sent to the duplicator for duplication. This is designed specifically for production plant as this makes it easier to mange the source and reduce human error.

1. Quick Erase: Erase PCIe SSD index table, and only takes A FEW SECONDS to complete
2. Full Erase: Erases the entire PCIe SSD
3. DoD Erase: Complies with U.S. Department of Defense erasure standards.
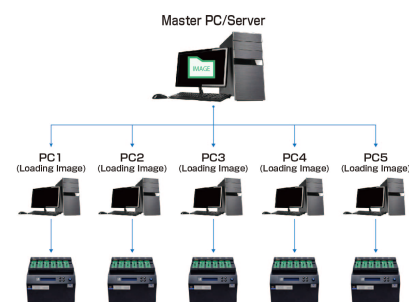
- **Double Data Verification: Compare + CRC Checksum**

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.
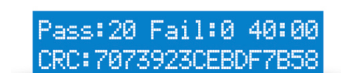
- High Compatibility
- Quick copy mode supports Windows (FAT16/32/exFAT), Linux (ext2/ext3/ext4), and Mac (HFS/HFS+/HFSX) formats.
- Whole media copy mode supports all system and proprietary formats.
- Supports various brands.

- Designed to support 18TB+ capacities.
- Supports MBR and GPT partitioning.

| Windows | Macintosh | Linux |
| FAT16/32/64/NTFS | HFS/HFS+/HFSX | ext2/ext3/ext4 |

• **Log Report Management**

• Records operation time, each port's process details, including SSD's model, capacity, S/N, result (pass, fail).

• Supports S.M.A.R.T Info.
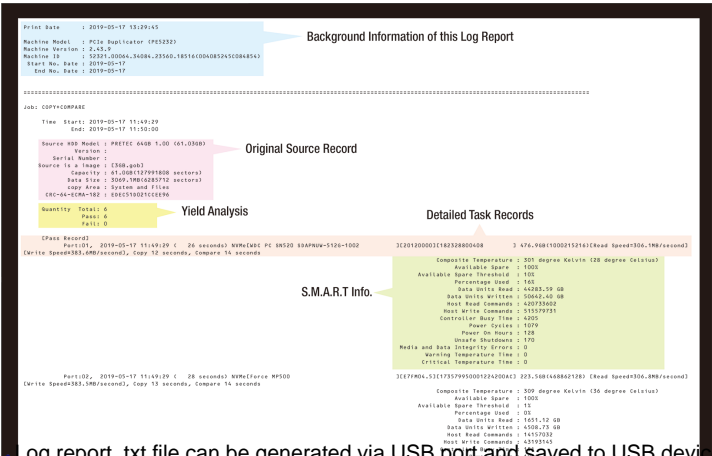
• Log report .txt file can be generated via USB port and saved to USB device

• Up to 30,000 log entries can be saved. One command onto one SSD is recorded as one log entry. (e.g. copy from 1 HDD to 21 targets will be recorded as 21 log entries)

Specification

			Model	PE1100H
			Target	10
Specific ation	Maximum Transfer Speed	60.0GB/min. (1000MB/sec.) *Actual performance is dependent on device transfer speeds*		
	Capacity	Supports the latest market available capacity Designed support capability up-to 18TB+		
	Operating Type	Stand-alone, FPGA-based operation (Non PC-based)		
	Supported Languages	English, Japanese		
	LCD Display	Backlit Monochrome LCD Display		
	LEDs	3 LED Indicators per Port: Yellow (Power), Green (Pass), and Red (Fail)		
	Control Panel	4 Push Buttons(?, ?, OK, ESC)		

Features	Copy Modes	Quick Copy (Systems & Files Copy), All Partition Copy, Whole Device Copy, Percentage Copy
	Compare Function	Bit-by-bit data comparison
	Sanitization Modes	Quick Erase, Full Erase (NIST 800-88), and DoD Erase
Special Features	Log Report Management	Log report .txt file can be generated via USB port and saved to USB device
	PC-link	Download Source Image from PC
Compatibilities	Compatible Devices	NGFF (M.2): 2230, 2242, 2260, 2280, PCI-e SSD (full and low profiles)
	Compatible Devices (with required adapter)	SATA HDD/SSD, U.2(SFF8639)
	Supported Formats	Quick Copy: FAT16/32/64, Windows (NTFS), Linux (Ext2/Ext3/Ext4), and Mac (HFS, HFS+,HFSX)
		Whole Device Copy: All Formats, including proprietary formats
	Supported O/S	All (Windows, Mac, Linux, and other stand-alone systems)
Hardware specification	Power Supply	Universal Power: 115VAC or 230VAC, 50/60Hz
	Working Temperature	5°C ~ 45°C (41°F ~ 113°F)
	Storage Temperature	-20°C ~85°C (-4°F ~ 185°F)
	Working Humidity	20% ~ 80%
	Storage Humidity	5% ~ 95%
	Product Dimensions (cm)	50 x 29 x 22.5
	Weight (kg)	13.6
	Certifications	FCC, CE, RoHS

Comparison Chart

M.2 SSD Duplicator / Eraser Comparison Chart

Series / Model		PE	PE-H	PV	PX		SP	
					PX400	PX800	SP101	SP151
Ports		1-5; 1-10; 1-15; 1-20		1-11; 1-23	1-3	1-7	1-1	
Speed (GB/min)		24.0	60.0	12.0	9.0	12.0	9.0	24.0
Supported Protocol		NVMe, SATA *(Auto Detect)*						
Supported Interface	Direct	M.2		M.2	M.2		M.2 & SATA	
	Through Adapter	U.2, SATA, PCIE, MAC PCIe SSD, BGA SSD		PCIE, MAC PCIe SSD	PCIE, MAC PCIe SSD		MAC PCIe SSD, PCIE, mSATA, CFast	
Cross-Signal Copy		V		V	V		V	
Copy		V		V	V		V	
Full Erase		V		V	V		V	
Secure Erase		V		V	V		V	
DoD Erase		V		V	V		V	
Event Log Report		V						
SMART Info		V		Power Cycle, Power-on Hours, Temperature			V	
Image Management		V						

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

Video

PE Series
M.2 NVMe and SATA
PCIe Duplicator
Copy Function