PCIe NVMe M.2 SSD Duplicator and Sanitizer 1 to 5 (PE600)

Rating: Not Rated Yet
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PE Series

Main features PCIe M.2 Duplicator and Sanitizer 1-5 (PE600)

- Speed transfers up to 24 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.

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Product Description

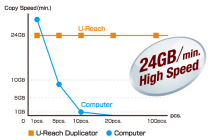
PE series is a professional PCIe M.2 duplicator, specially designed for high volume duplication. U-Reach adopted a unique multitasking technology that can simultaneously copy 20 PCIe M.2 targets with a high transfer speed of 24 GB per minute.

We guarantee the highest productivity without speed degradation even as the number of targets increases. The PE 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 series M.2 duplicator is equipped with different levels of erase functions, Quick Erase, Full Erase, Secure 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 **24.0 GB/m** on all PCIe M.2 simultaneously, without any speed degradation as number of targets increase.

- **Whole Device Copy**

Whole Device Copy supports various partition formats.

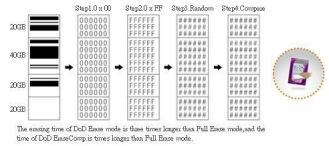
- **Systems & Data Copy**

This mode identifies Windows (FAT16/32/64, NTFS), Linux(ext2/ext3/ext4) and Mac (HFS, HFS+, HFSX) formats. It will copy only the data and system contained area, which enhances the copy time.

- **Sanitization methods**

The PCIe series duplicator offers 3 ways of erase.

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.



- **Device Compatibility**

- Supports GPT, MBR table format
- Supports Advanced format SSD, Up to 18TB above device
- Supported OS: Linux, Unix, Windows, Macintosh, etc. are all supported.

- **Open Platform Design**

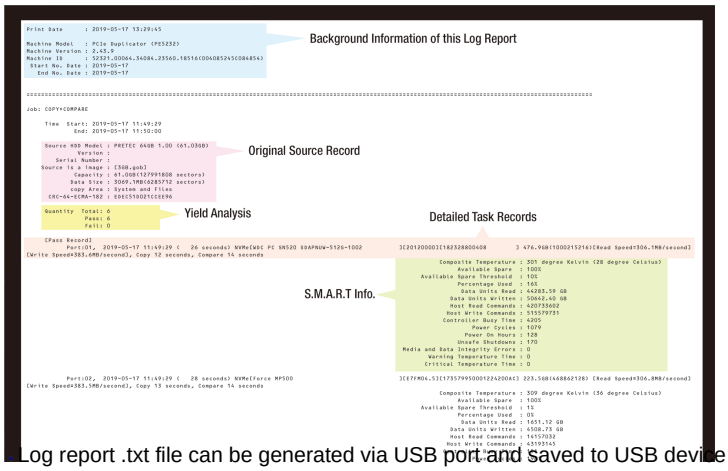
- Supports M.2 (default)

- Supports optional SSD to store images.

- **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)

- **Auto Power Control System**

When the duplicator stops executing any function, the SSD Copier will automatically cut off the power of each port to protect the SSD from damage during removal from the duplicator. The power of each port will only be supplied when the operation is running.

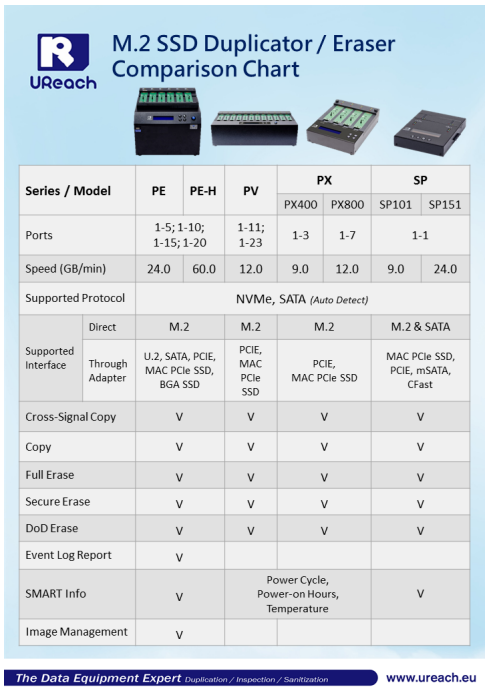
- **Standalone Operation**

There are two modes of operation available for selection, standalone and PC-link operation, each meeting different demands. Standalone is excellent in simplifying operation and very user-friendly (all duplication jobs can be completed via input through 4 buttons).

Specification

		Model	PE6005
		Target	
Specification	Maximum Transfer Speed	24.0GB/min. (400MB/sec.) *Actual performance is dependent on HDD 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)	28 x 26 x 22	
	Weight (kg)	9.1	
	Certifications	FCC, CE, RoHS	

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						

Video